

# Converting Colors

XYZ(80.3003, 84.5785, 93.0662)

Have a look what the booklet for  
XYZ(80.3003, 84.5785, 93.0662)  
contains.

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# **Color**

**XYZ(80.3089, 84.5743,  
92.9807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEDEE
RGB	236, 237, 238
RGB Percent	93%, 93%, 93%
CMY	0.0745, 0.0706, 0.0667
CMYK	0.01, 0.00, 0.00, 0.07
HSL	210°, 6%, 93%
HSV	210°, 1%, 93%
XYZ	80.3089, 84.5743, 92.9807
YIQ	236.8150, -0.9170, 0.0990

# Conversions

## Conversions Part 2

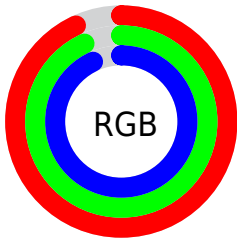
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 237, 238
Decimal	15527406
CIE Lab	93.70, -0.15, -0.61
CIE LCh	94, 0.628, 256.189
Yxy	84.5743, 0.3114, 0.3280
Android (android.graphics.Color)	4293717486 (0xFFECEDEE)
YUV	236.8150, 0.5842, -0.7148
Hunter-Lab	91.9643, -5.0603, 4.4297

# Details

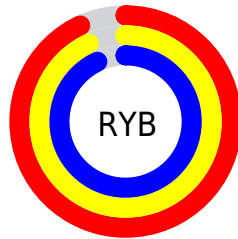
The XYZ color **80.3089, 84.5743, 92.9807** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.6846, 84.8007, 91.4738**, and the grayscale version is **80.3522, 84.5368, 92.0606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7898, 46.1284, 50.8517** is the 20% darker color. If you saturate the color by 10%, you get **69.6088, 74.1331, 91.5306**, and if you desaturate by 10%, it is **90.5049, 95.0972, 94.4757**.

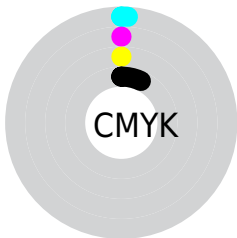
# Distribution



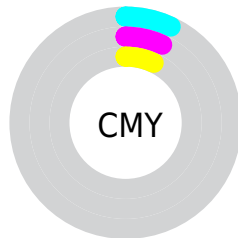
- Red (93%)
- Green (93%)
- Blue (93%)



- Red (93%)
- Yellow (93%)
- Blue (93%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3089, 84.5743, 92.9807 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.3089, 84.5743, 92.9807 by changing the saturation by 10% instead.



80.3089, 84.5743,  
92.9807

80.3089, 84.5743,  
92.9807

484.6939,  
510.2184, 558.4983

60.2819, 63.4897,  
69.8679

132.7482,  
139.7783, 153.4434

43.8962, 46.2375,  
50.9427

165.8912,  
174.6664, 191.6303

30.7865, 32.4333,  
35.7866

204.1369,  
214.9245, 235.6790

20.5874, 21.6926,  
23.9810

247.8508,  
260.9370, 286.0081

12.9334, 13.6312,  
15.1075

297.3980,  
313.0882, 343.0360

7.4594, 7.8646,  
8.7474

353.1441,

3.7999, 4.0085,

371.7626, 407.1813

4.4822

415.4542,  
437.3445, 478.8626

■ 1.5896, 1.6783,  
1.8934

■ 0.3856, 0.4095,  
0.4886

■ 80.3089, 84.5743,  
92.9807

■ 80.3089, 84.5743,  
92.9807

■ 69.6088, 74.1331,  
91.5306

■ 90.5049, 95.0972,  
94.4757

■ 60.1405, 64.6548,  
90.2001

■ 92.4329, 98.9531,  
95.1184

■ 51.8579, 56.1115,  
88.9876

■ 44.7090, 48.4694,  
87.8893

■ 38.6378, 41.6926,  
86.9013

■ 33.5831, 35.7421,  
86.0191

■ 29.4768, 30.5754,  
85.2383

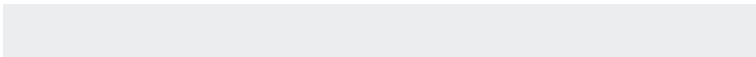
■ 26.2416, 26.1446,  
84.5536

■ 23.7856, 22.3940,  
83.9591

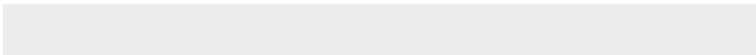
# Harmonies

## Analogous

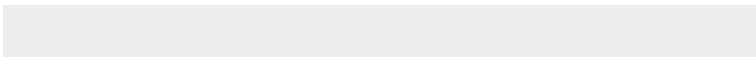
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1638, 84.5743, 92.7506



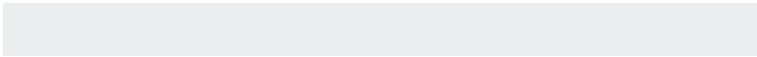
80.3089, 84.5743, 92.9807



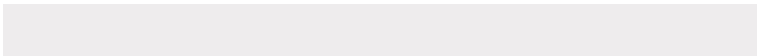
80.4747, 84.5743, 92.9708

# Triad

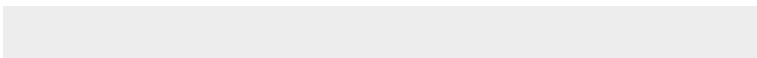
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3089, 84.5743, 92.9807



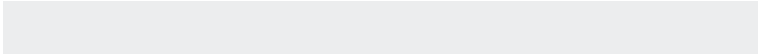
80.6933, 84.5743, 91.8315



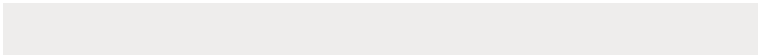
80.1544, 84.5743, 91.4535

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



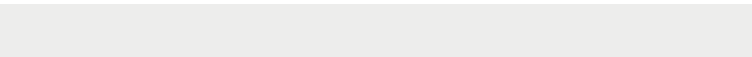
80.3089, 84.5743, 92.9807



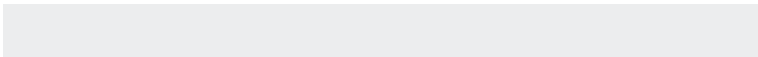
80.6846, 84.8007, 91.4738

# Split Complementary

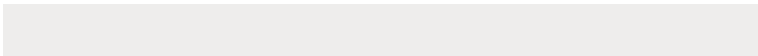
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2961, 84.5743, 91.2089



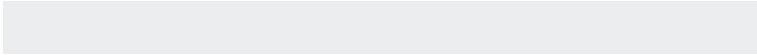
80.3089, 84.5743, 92.9807



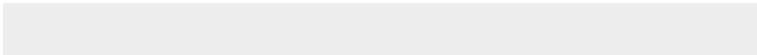
80.6073, 84.5743, 91.4267

# Square

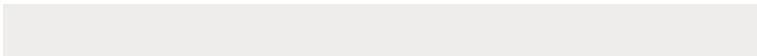
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



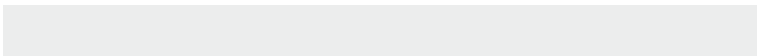
80.3089, 84.5743, 92.9807



80.6968, 84.5743, 92.3062



80.4618, 84.5743, 91.1991

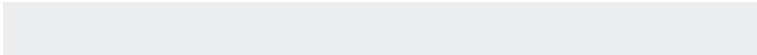


80.0747, 84.5743, 91.8682

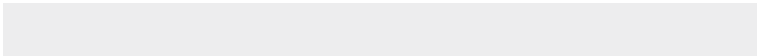


# Rectangle

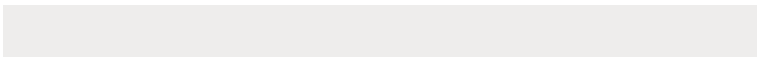
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



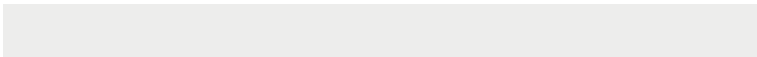
80.3089, 84.5743, 92.9807



80.5746, 84.5743, 92.8294



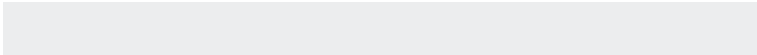
80.4618, 84.5743, 91.1991



80.1964, 84.5743, 91.3487

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.3113, 84.5779, 92.9825

95.0500, 100.0000, 108.9000



80.4491, 85.0958, 92.2815



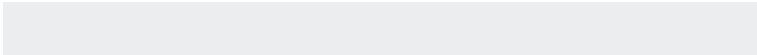
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

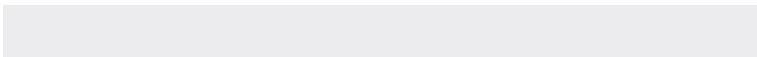
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3113, 84.5779, 92.9825



93.7143, 98.7120, 108.7218



80.0310, 84.0173, 92.8891



17.5681, 18.5037, 20.3672



12.4511, 11.1264, 46.6192

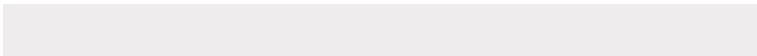


1.1353, 1.1247, 3.9115



# Inverse Universe

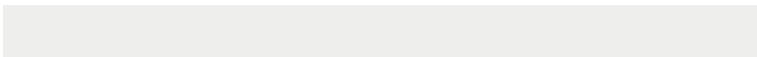
The Inverse Universe completely reimagines the original color for something new.



80.5433, 84.2840, 92.1484



94.0381, 98.3023, 107.5573



80.9664, 85.3643, 91.5677



17.6254, 18.4312, 20.1612



21.6103, 10.9166, 11.1306

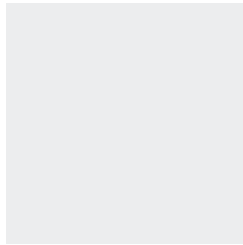


1.8480, 0.9282, 1.1905



# Previews

## White Background



This preview shows how the XYZ color 80.3089, 84.5743, 92.9807 looks on a white background.

## Color Contrast Check

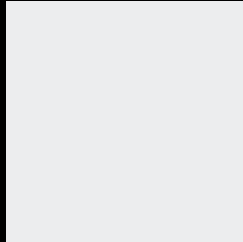
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 80.3089, 84.5743, 92.9807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

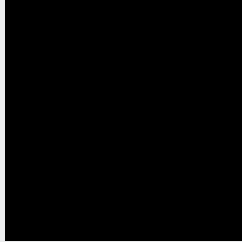
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

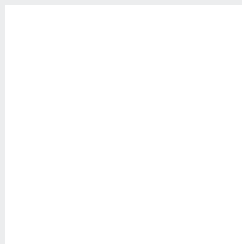


**XYZ 80.3089, 84.5743, 92.9807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.3089, 84.5743, 92.9807.



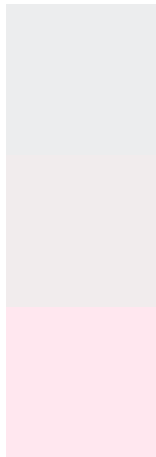
This preview shows how white text looks on a background with the XYZ color 80.3089, 84.5743,

92.9807.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

80.3089, 84.5743, 92.9807

### Protanopia

81.5571, 84.8061, 92.1915

### Deuteranopia

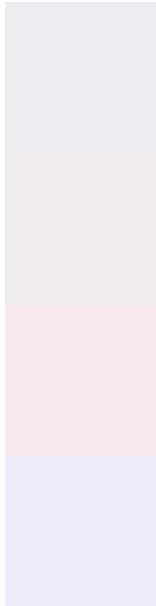
85.3959, 84.6438, 93.4984



## Tritanopia

82.6978, 84.6857, 104.9158

# Trichromacy



## Original Color

80.3089, 84.5743, 92.9807

## Protanomaly

80.8781, 84.4561, 92.1597

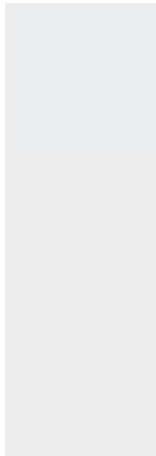
## Deuteranomaly

83.4303, 84.4663, 93.5677

## Tritanomaly

81.8638, 84.7727, 100.8550

# Monochromacy



## Original Color

80.3089, 84.5743, 92.9807

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.4953, 84.6873, 92.2245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3089, 84.5743, 92.9807 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(236, 237, 238) looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3089, 84.5743, 92.9807 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 237, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 237, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 237, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 237, 238); box-shadow:4px 4px 4px 4px rgb(236, 237, 238) }
```



# Background

The CSS property to change the background color of an element to XYZ 80.3089, 84.5743, 92.9807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
237, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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