

Converting Colors

XYZ(80.3089, 84.5357, 92.5963)

Have a look what the booklet for
XYZ(80.3089, 84.5357, 92.5963)
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

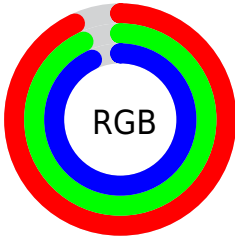
Format	Color
R _Y B	236, 237, 238
Decimal	15527406
CIE Lab	93.70, -0.15, -0.61
CIE LCh	94, 0.628, 256.189
Yxy	84.5743, 0.3114, 0.3280
Android (android.graphics.Color)	4293717486 (0xFFECEDEE)
YUV	236.8150, 0.5842, -0.7148
Hunter-Lab	91.9643, -5.0603, 4.4297

Details

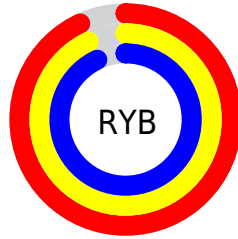
The XYZ color **80.3089, 84.5743, 92.9807** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.6846, 84.8007, 91.4738**, and the grayscale version is **80.3522, 84.5368, 92.0606**.

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**.

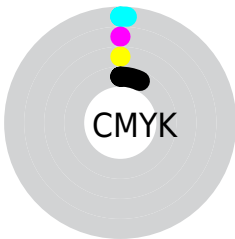
Distribution



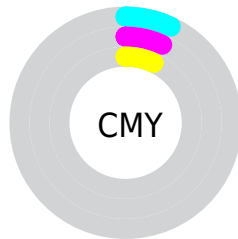
- Red (93%)
- Green (93%)
- Blue (93%)



- 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

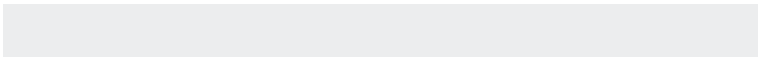
■ 26.2416, 26.1446,
84.5536

■ 23.7856, 22.3940,
83.9591

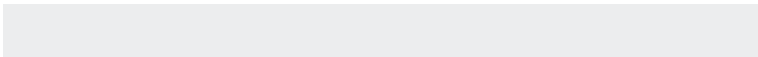
Harmonies

Analogous

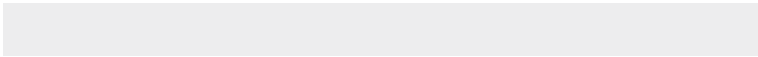
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1638, 84.5743, 92.7506



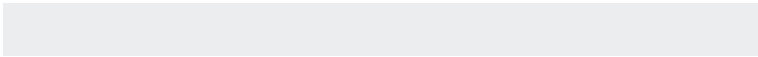
80.3089, 84.5743, 92.9807



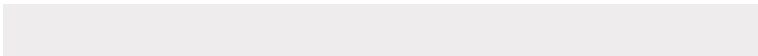
80.4747, 84.5743, 92.9708

Triad

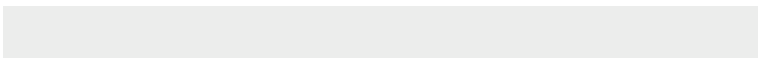
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3089, 84.5743, 92.9807



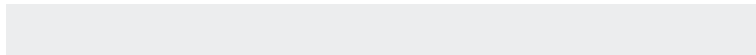
80.6933, 84.5743, 91.8315



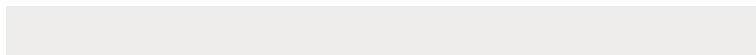
80.1544, 84.5743, 91.4535

Complementary

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



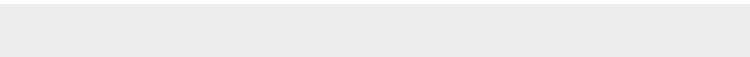
80.3089, 84.5743, 92.9807



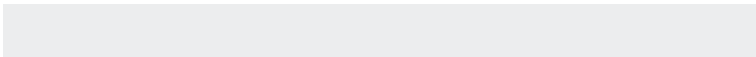
80.6846, 84.8007, 91.4738

Split Complementary

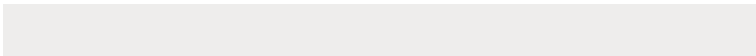
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2961, 84.5743, 91.2089



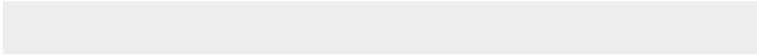
80.3089, 84.5743, 92.9807



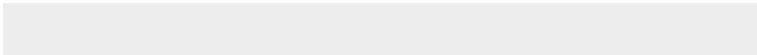
80.6073, 84.5743, 91.4267

Square

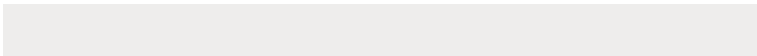
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



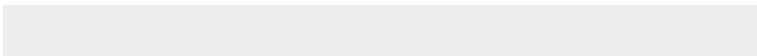
80.3089, 84.5743, 92.9807



80.6968, 84.5743, 92.3062



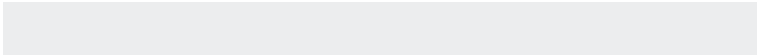
80.4618, 84.5743, 91.1991



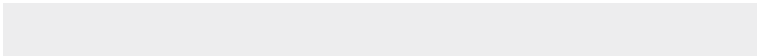
80.0747, 84.5743, 91.8682

Rectangle

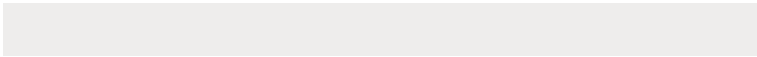
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



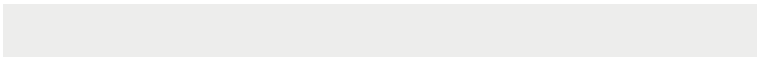
80.3089, 84.5743, 92.9807



80.5746, 84.5743, 92.8294



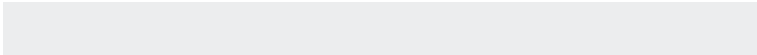
80.4618, 84.5743, 91.1991



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



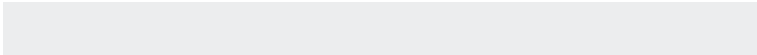
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

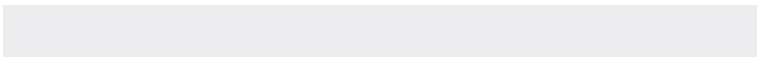
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3113, 84.5779, 92.9825



93.7143, 98.7120, 108.7218



80.0310, 84.0173, 92.8891



17.5681, 18.5037, 20.3672



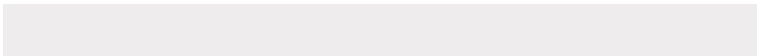
12.4511, 11.1264, 46.6192



1.1353, 1.1247, 3.9115

Inverse Universe

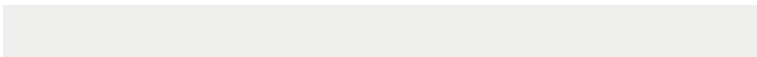
The Inverse Universe completely reimagines the original color for something new.



80.5433, 84.2840, 92.1484



94.0381, 98.3023, 107.5573



80.9664, 85.3643, 91.5677



17.6254, 18.4312, 20.1612



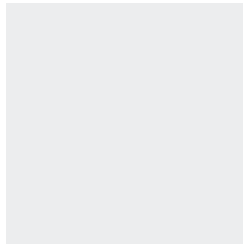
21.6103, 10.9166, 11.1306



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

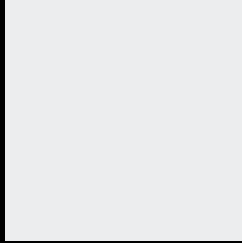
Large Text (above 18pt) WCAG AA × Fail

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

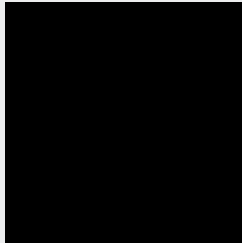
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

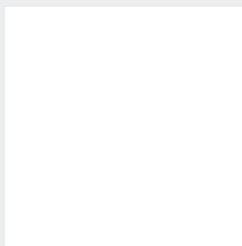
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.



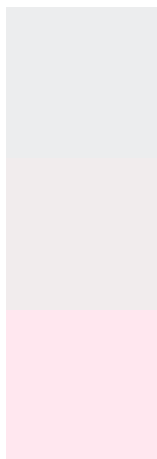
This preview shows how white text looks on a background with the XYZ color 80.3089, 84.5743,

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

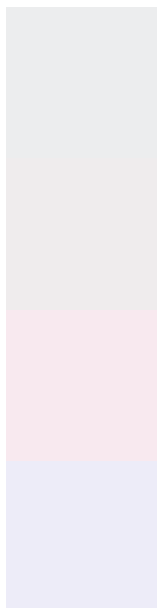
85.3959, 84.6438, 93.4984



Tritanopia

82.6978, 84.6857, 104.9158

Trichromacy



Original Color

80.3089, 84.5743, 92.9807

Protanomaly

80.8781, 84.4561, 92.1597

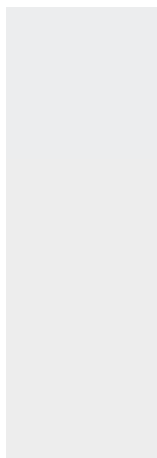
Deuteranomaly

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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