

# Converting Colors

XYZ(80.0328, 83.8228, 90.2564)

Have a look what the booklet for  
XYZ(80.0328, 83.8228, 90.2564)  
contains.

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# Color

**XYZ(79.9636, 83.5920,  
90.5176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEEB
RGB	238, 235, 235
RGB Percent	93%, 92%, 92%
CMY	0.0667, 0.0784, 0.0784
CMYK	0.00, 0.01, 0.01, 0.07
HSL	0°, 8%, 93%
HSV	0°, 1%, 93%
XYZ	79.9636, 83.5920, 90.5176
YIQ	235.8970, 1.7880, 0.6360

# Conversions

## Conversions Part 2

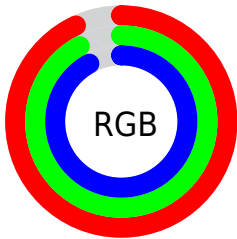
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 235, 235
Decimal	15657963
CIE Lab	93.27, 1.01, 0.35
CIE LCh	93, 1.067, 18.897
Yxy	83.5920, 0.3147, 0.3290
Android (android.graphics.Color)	4293848043 (0xFFEEEEBEB)
YUV	235.8970, -0.4422, 1.8443
Hunter-Lab	91.4287, -3.8839, 5.3009

# Details

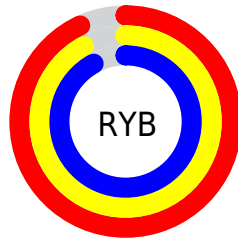
The XYZ color **79.9636, 83.5920, 90.5176** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2680, 84.9830, 93.0627**, and the grayscale version is **79.6544, 83.8026, 91.2611**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5482, 45.4400, 49.1234** is the 20% darker color. If you saturate the color by 10%, you get **70.3971, 69.5978, 71.4839**, and if you desaturate by 10%, it is **89.0703, 96.9174, 108.6202**.

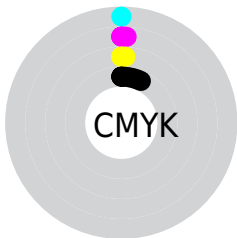
# Distribution



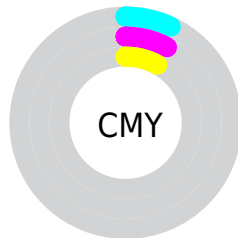
- Red (93%)
- Green (92%)
- Blue (92%)



- Red (93%)
- Yellow (92%)
- Blue (92%)



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



- Cyan (7%)
- Magenta (8%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9636, 83.5920, 90.5176 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 79.9636, 83.5920, 90.5176 by changing the saturation by 10% instead.



■ 79.9636, 83.5920,  
90.5176

■ 79.9636, 83.5920,  
90.5176

483.5486,  
506.9574, 550.3266

■ 59.9968, 62.6786,  
67.8339

132.2653,  
138.4043, 149.9990

■ 43.6655, 45.5813,  
49.2968

165.3310,  
173.0720, 187.6337

■ 30.6044, 31.9155,  
34.4877

203.4936,  
213.0933, 231.0891

■ 20.4481, 21.2970,  
22.9881

247.1185,  
258.8526, 280.7839

■ 12.8314, 13.3413,  
14.3795

296.5711,  
310.7343, 337.1365

■ 7.3887, 7.6640,  
8.2433

352.2167,

■ 3.7549, 3.8807,

369.1227, 400.5654

4.1610

414.4208,  
434.4023, 471.4893

■ 1.5644, 1.6070,  
1.7141

■ 0.3690, 0.3623,  
0.3704

■ 79.9636, 83.5920,  
90.5176

■ 79.9636, 83.5920,  
90.5176

■ 70.3971, 69.5978,  
71.4839

■ 89.0703, 96.9174,  
108.6202

■ 62.1435, 57.5234,  
55.0671

■ 55.1477, 47.2884,  
41.1544

■ 49.3481, 38.8026,  
29.6228

■ 44.6777, 31.9682,  
20.3390

■ 41.0630, 26.6777,  
13.1564

■ 38.4217, 22.8111,  
7.9111

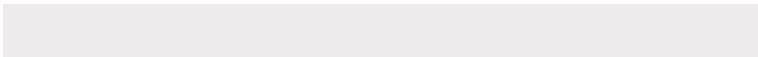
■ 36.6597, 20.2304,  
4.4152

■ 35.6639, 18.7708,  
2.4432

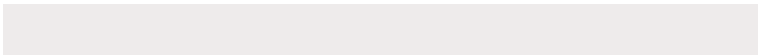
# Harmonies

## Analogous

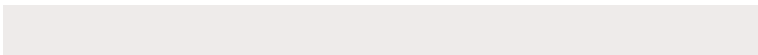
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9827, 83.5920, 91.3156



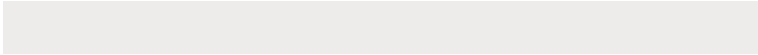
79.9636, 83.5920, 90.5176



79.8072, 83.5920, 89.8573

# Triad

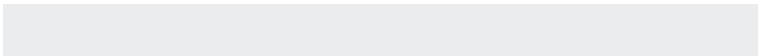
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9636, 83.5920, 90.5176



79.0455, 83.5920, 90.0047



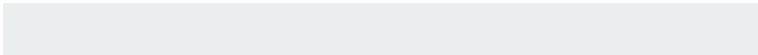
79.3478, 83.5920, 92.5433

# Complementary

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



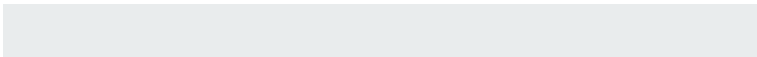
79.9636, 83.5920, 90.5176



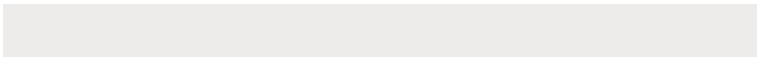
80.2680, 84.9830, 93.0627

# Split Complementary

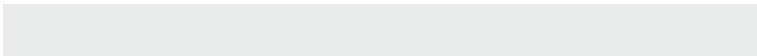
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0973, 83.5920, 92.1876



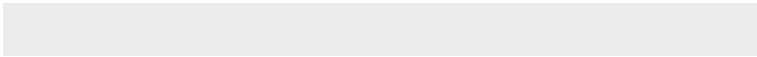
79.9636, 83.5920, 90.5176



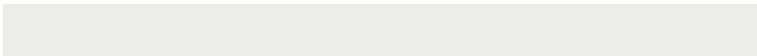
78.9231, 83.5920, 90.7200

# Square

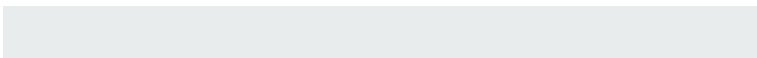
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



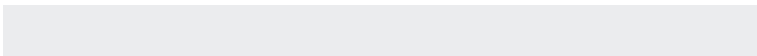
79.9636, 83.5920, 90.5176



79.2770, 83.5920, 89.5624



78.9420, 83.5920, 91.5192

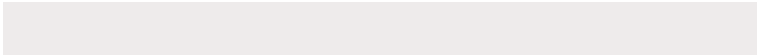


79.6267, 83.5920, 92.4883

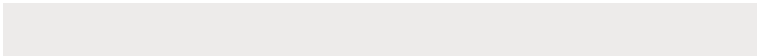


# Rectangle

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



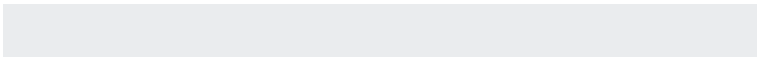
79.9636, 83.5920, 90.5176



79.6462, 83.5920, 89.5825



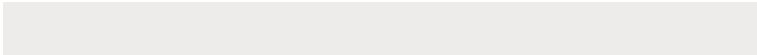
78.9420, 83.5920, 91.5192



79.2575, 83.5920, 92.4677

# Sweetspot

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



79.9660, 83.5956, 90.5194

95.0500, 100.0000, 108.9000



80.4020, 83.7681, 92.8212



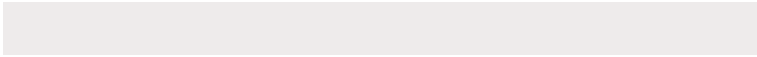
20.3446, 21.4041, 23.3091



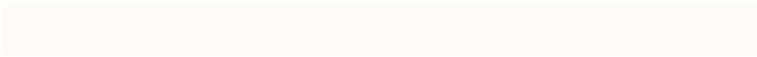
0.0000, 0.0000, 0.0000

# Same Dimension

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



79.9660, 83.5956, 90.5194



92.6364, 96.4693, 104.0983



80.3960, 84.4557, 90.6628



17.3771, 18.1066, 19.5487



19.6742, 10.1465, 0.9215

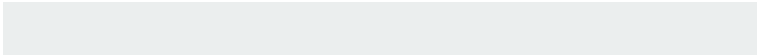


1.6373, 0.8453, 0.0769



# Inverse Universe

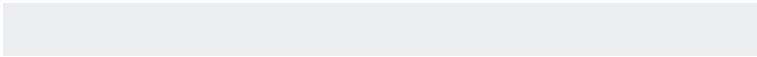
The Inverse Universe completely reimagines the original color for something new.



80.2680, 84.9830, 93.0627



93.1963, 99.0410, 108.8126



79.8344, 84.1157, 92.9182



17.4763, 18.5619, 20.3833



25.6149, 37.4541, 51.0072

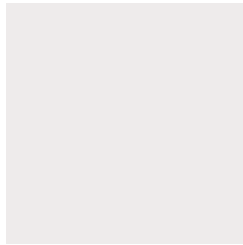


2.1315, 3.1170, 4.2435



# Previews

## White Background



This preview shows how the XYZ color 79.9636, 83.5920, 90.5176 looks on a white background.

## Color Contrast Check

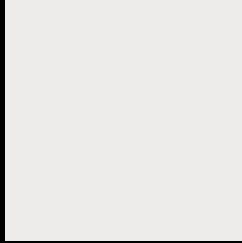
Large Text (above 18pt) WCAG AA × Fail

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 79.9636, 83.5920, 90.5176 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

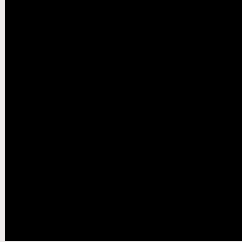
Any Text WCAG AAA ✓ Pass

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

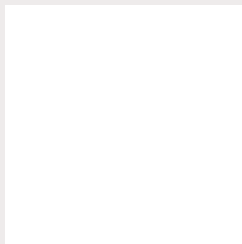


**XYZ 79.9636, 83.5920, 90.5176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9636, 83.5920, 90.5176.



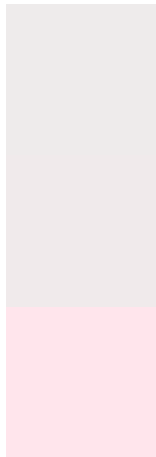
This preview shows how white text looks on a background with the XYZ color 79.9636, 83.5920,

90.5176.

# 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

79.9636, 83.5920, 90.5176

### Protanopia

80.3534, 83.3691, 90.4540

### Deuteranopia

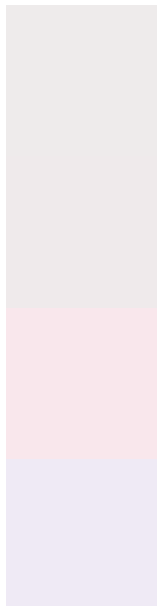
84.3996, 83.3548, 90.9976



## Tritanopia

82.4867, 83.7681, 103.0881

# Trichromacy



## Original Color

79.9636, 83.5920, 90.5176

## Protanomaly

80.0148, 83.1945, 90.4382

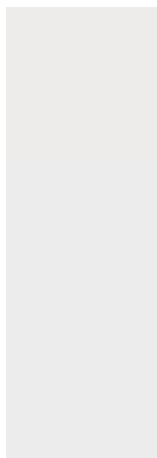
## Deuteranomaly

82.7832, 83.3477, 91.0815

## Tritanomaly

81.5009, 83.7889, 98.2635

# Monochromacy



## Original Color

79.9636, 83.5920, 90.5176

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.0608, 84.0516, 91.3608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9636, 83.5920, 90.5176 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(238, 235, 235) looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 235)  
}
```

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(238, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9636, 83.5920, 90.5176 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(238, 235, 235) }
```

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

```
.border{ border-color:rgb(238, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
235) }
```



# Background

The CSS property to change the background color of an element to XYZ 79.9636, 83.5920, 90.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 235) }
```

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

```
.background{ background-color: rgb(238,  
235, 235) }
```

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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