

# Converting Colors

XYZ(78.5825, 82.6772, 90.0056)

Have a look what the booklet for  
XYZ(78.5825, 82.6772, 90.0056)  
contains.

<b>XYZ(78.8206, 83.0193, 89.7119)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(78.8206, 83.0193,  
89.7119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEBEA
RGB	235, 235, 234
RGB Percent	92%, 92%, 92%
CMY	0.0784, 0.0784, 0.0823
CMYK	0.00, 0.00, 0.00, 0.08
HSL	60°, 2%, 92%
HSV	60°, 0%, 92%
XYZ	78.8206, 83.0193, 89.7119
YIQ	234.8860, 0.3210, -0.3110

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	234, 235, 234
Decimal	15461354
CIE Lab	93.02, -0.17, 0.47
CIE LCh	93, 0.504, 109.977
Yxy	83.0193, 0.3133, 0.3300
Android (android.graphics.Color)	4293651434 (0xFFEBEBEA)
YUV	234.8860, -0.4368, 0.1000
Hunter-Lab	91.1149, -5.0365, 5.4034

# Details

The XYZ color **78.8206, 83.0193, 89.7119** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3529, 82.3383, 90.3647**, and the grayscale version is **78.8840, 82.9921, 90.3784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7464, 45.0383, 48.5598** is the 20% darker color. If you saturate the color by 10%, you get **75.6383, 81.7457, 73.0925**, and if you desaturate by 10%, it is **82.0499, 84.3170, 106.5580**.

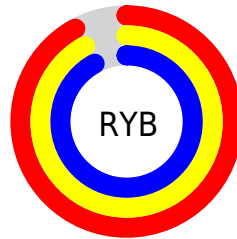
# Distribution



Red (92%)

Green (92%)

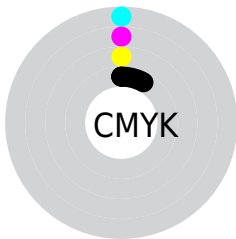
Blue (92%)



Red (92%)

Yellow (92%)

Blue (92%)

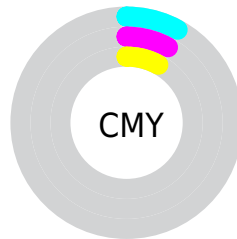


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8206, 83.0193, 89.7119 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 78.8206, 83.0193, 89.7119 by changing the saturation by 10% instead.



■ 78.8206, 83.0193,  
89.7119

■ 78.8206, 83.0193,  
89.7119

479.7465,  
505.0508, 547.6391

■ 59.0534, 62.2061,  
67.1694

130.6655,  
137.6025, 148.8702

■ 42.9027, 45.1992,  
48.7598

163.4740,  
172.1412, 186.3230

■ 30.0030, 31.6144,  
34.0647

201.3603,  
212.0240, 229.5829

■ 19.9889, 21.0671,  
22.6656

244.6898,  
257.6350, 279.0686

■ 12.4952, 13.1731,  
14.1438

293.8278,  
309.3589, 335.1985

■ 7.1565, 7.5478,  
8.0808

349.1397,

■ 3.6073, 3.8070,

367.5799, 398.3912

4.0582

410.9908,  
432.6824, 469.0652

■ 1.4825, 1.5662,  
1.6573

■ 0.3139, 0.3347,  
0.3312

■ 78.8206, 83.0193,  
89.7119

■ 78.8206, 83.0193,  
89.7119

■ 75.6383, 81.7457,  
73.0925

■ 82.0499, 84.3170,  
106.5580

■ 72.8842, 80.6408,  
58.7378

■ 82.0785, 84.3317,  
106.5594

■ 70.5417, 79.7005,  
46.5515

■ 82.1070, 84.3464,  
106.5607

■ 68.5911, 78.9170,  
36.4281

■ 82.1356, 84.3611,  
106.5621

67.0106, 78.2815,  
28.2536

82.1641, 84.3758,  
106.5634

65.7764, 77.7845,  
21.9027

82.1927, 84.3906,  
106.5647

64.8620, 77.4155,  
17.2357

82.2213, 84.4053,  
106.5661

64.2369, 77.1622,  
14.0926

82.2499, 84.4200,  
106.5674

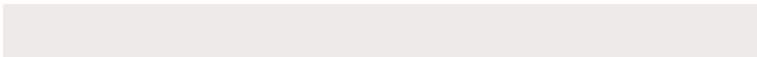
63.8651, 77.0102,  
12.2828

82.2785, 84.4348,  
106.5687

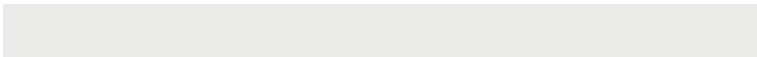
# Harmonies

## Analogous

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



78.9516, 83.0193, 89.6794



78.8206, 83.0193, 89.7119



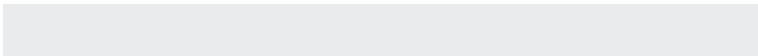
78.7130, 83.0193, 89.9269

# Triad

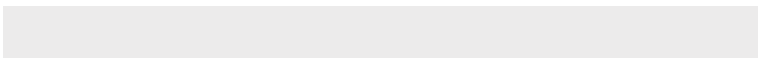
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8206, 83.0193, 89.7119



78.7441, 83.0193, 90.9522



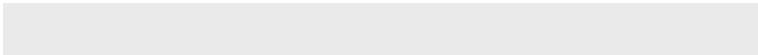
79.1578, 83.0193, 90.5206

# Complementary

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



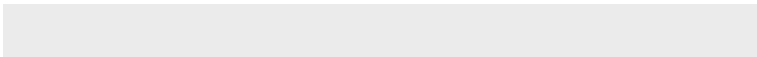
78.8206, 83.0193, 89.7119



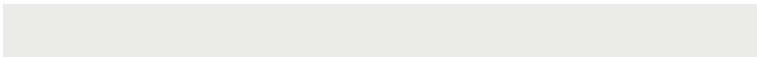
78.3529, 82.3383, 90.3647

# Split Complementary

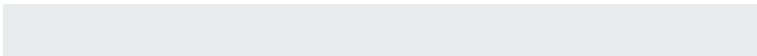
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1020, 83.0193, 90.8626



78.8206, 83.0193, 89.7119



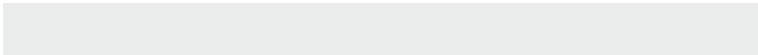
78.8632, 83.0193, 91.1122

# Square

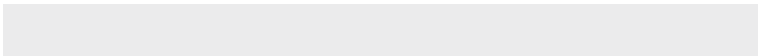
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



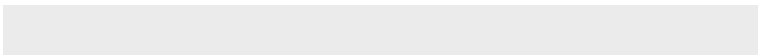
78.8206, 83.0193, 89.7119



78.6689, 83.0193, 90.6427



78.9942, 83.0193, 91.0794



79.1463, 83.0193, 90.1456

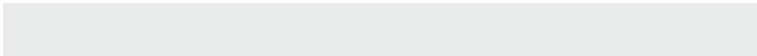


# Rectangle

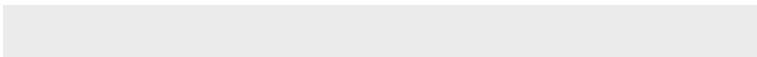
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



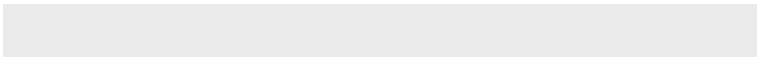
78.8206, 83.0193, 89.7119



78.6689, 83.0193, 90.1450



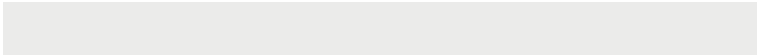
78.9942, 83.0193, 91.0794



79.1463, 83.0193, 90.6432

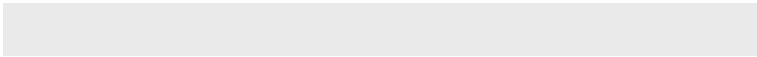
# Sweetspot

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



78.8229, 83.0229, 89.7137

95.0500, 100.0000, 108.9000



78.5375, 82.4503, 89.6182



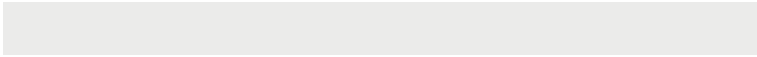
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

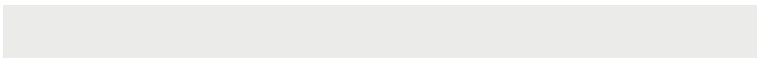
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8229, 83.0229, 89.7137



94.6387, 99.8351, 106.7519



78.6587, 82.9382, 89.7060



16.9320, 17.8589, 19.1165



35.4462, 42.8177, 6.3964

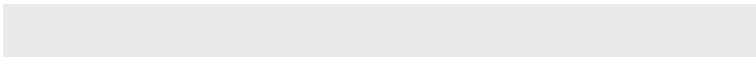


2.7852, 3.3631, 0.5024



# Inverse Universe

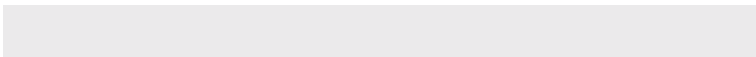
The Inverse Universe completely reimagines the original color for something new.



78.3529, 82.3383, 90.3647



93.3133, 97.9051, 108.5872



78.5167, 82.4228, 90.3723



16.7085, 17.5335, 19.4259



8.3539, 3.3425, 43.9478

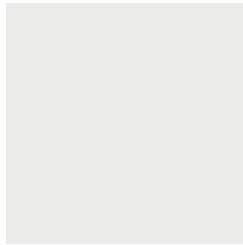


0.6578, 0.2634, 3.4510



# Previews

## White Background



This preview shows how the XYZ color 78.8206, 83.0193, 89.7119 looks on a white background.

## Color Contrast Check

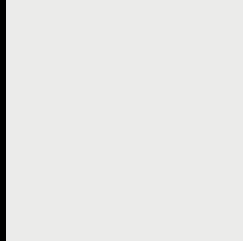
Large Text (above 18pt) WCAG AA × Fail

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 78.8206, 83.0193, 89.7119 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

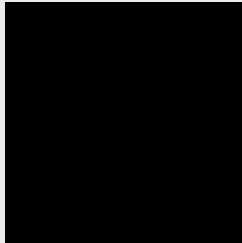
Any Text WCAG AAA ✓ Pass

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

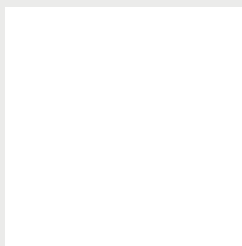


**XYZ 78.8206, 83.0193, 89.7119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8206, 83.0193, 89.7119.



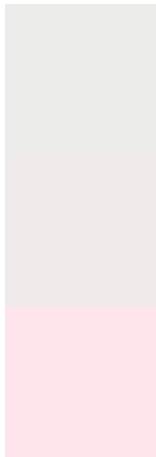
This preview shows how white text looks on a background with the XYZ color 78.8206, 83.0193,

89.7119.

# 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

78.8206, 83.0193, 89.7119

### Protanopia

79.7274, 83.0796, 88.9247

### Deuteranopia

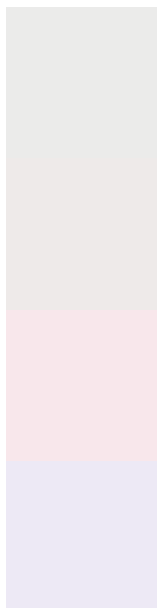
83.9788, 82.7450, 90.1425



## Tritanopia

81.5291, 82.8554, 102.9624

# Trichromacy



## Original Color

78.8206, 83.0193, 89.7119

## Protanomaly

79.3907, 82.9060, 88.9089

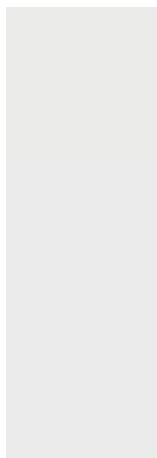
## Deuteranomaly

82.2827, 83.1064, 90.3016

## Tritanomaly

80.5454, 82.8749, 98.1375

# Monochromacy



## Original Color

78.8206, 83.0193, 89.7119

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.9647, 83.0770, 90.4708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8206, 83.0193, 89.7119 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(235, 235, 234) looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 234)  
}
```

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(235, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8206, 83.0193, 89.7119 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(235, 235, 234) }
```

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

```
.border{ border-color:rgb(235, 235, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
234) }
```



# Background

The CSS property to change the background color of an element to XYZ 78.8206, 83.0193, 89.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 234) }
```

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

```
.background{ background-color: rgb(235,  
235, 234) }
```

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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