

Converting Colors

XYZ(83.6033, 89.2385, 98.4122)

Have a look what the booklet for
XYZ(83.6033, 89.2385, 98.4122)
contains.

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Color

**XYZ(83.6049, 89.2375,
98.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF4F4
RGB	237, 244, 244
RGB Percent	93%, 96%, 96%
CMY	0.0706, 0.0431, 0.0431
CMYK	0.03, 0.00, 0.00, 0.04
HSL	180°, 24%, 94%
HSV	180°, 3%, 96%
XYZ	83.6049, 89.2375, 98.4061
YIQ	241.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

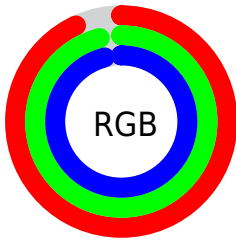
Format	Color
R _Y B	237, 241, 244
Decimal	15594740
CIE Lab	95.68, -2.31, -0.82
CIE LCh	96, 2.446, 199.509
Yxy	89.2375, 0.3082, 0.3290
Android (android.graphics.Color)	4293784820 (0xFFEDF4F4)
YUV	241.9070, 1.0318, -4.3034
Hunter-Lab	94.4656, -7.3369, 4.3627

Details

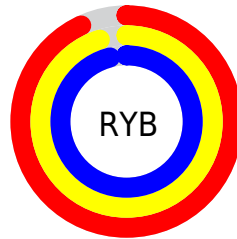
The XYZ color **83.6049, 89.2375, 98.4061** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8818, 85.9183, 92.3407**, and the grayscale version is **84.3212, 88.7125, 96.6079**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1164, 49.4210, 54.6856** is the 20% darker color. If you saturate the color by 10%, you get **76.0048, 85.3222, 98.0418**, and if you desaturate by 10%, it is **89.9237, 92.4973, 98.7141**.

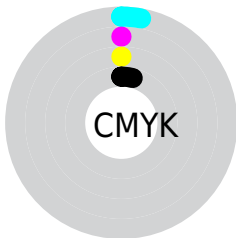
Distribution



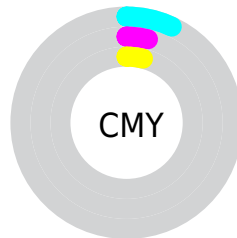
- Red (93%)
- Green (96%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6049, 89.2375, 98.4061 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 83.6049, 89.2375, 98.4061 by changing the saturation by 10% instead.

83.6049, 89.2375,
98.4061

83.6049, 89.2375,
98.4061

495.5538,
525.5473, 576.2733

63.0079, 67.3484,
74.3606

137.3465,
146.2788, 160.9978

46.1063, 49.3678,
54.5907

171.2218,
182.1998, 200.3811

32.5347, 34.9113,
38.6777

210.2539,
223.5669, 245.7141

21.9277, 23.5946,
26.2032

254.8081,
270.7644, 297.4153

13.9201, 15.0332,
16.7486

305.2499,
324.1768, 355.9033

8.1465, 8.8427,
9.8953

361.9445,

4.2414, 4.6387,

384.1885, 421.5966

5.2249

425.2573,
451.1839, 494.9137

■ 1.8396, 2.0369,
2.3188

■ 0.5413, 0.6288,
0.7417

■ 83.6049, 89.2375,
98.4061

■ 83.6049, 89.2375,
98.4061

■ 76.0048, 85.3222,
98.0418

■ 89.9237, 92.4973,
98.7141

■ 69.4663, 81.9517,
97.7254


■ 89.9257, 92.4981,
98.7246


■ 63.9444, 79.1053,
97.4566


■ 89.9277, 92.4989,
98.7351


■ 59.3881, 76.7567,
97.2329


■ 89.9297, 92.4997,
98.7457


 55.7419, 74.8772,
97.0518


 89.9317, 92.5005,
98.7562


 52.9447, 73.4355,
96.9105


 89.9337, 92.5012,
98.7667


 50.9279, 72.3960,
96.8057

 89.9357, 92.5020,
98.7772

 49.6123, 71.7180,
96.7337

 89.9377, 92.5028,
98.7878

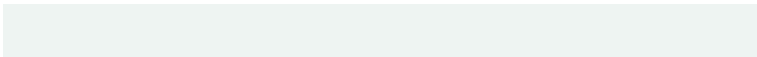
 48.9021, 71.3521,
96.6900

 89.9397, 92.5036,
98.7983

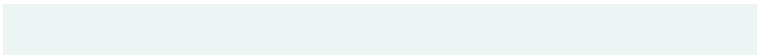
Harmonies

Analogous

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



83.5528, 89.2375, 96.4919



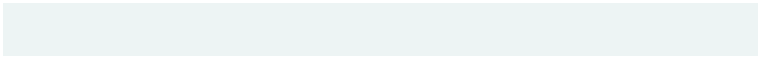
83.6049, 89.2375, 98.4061



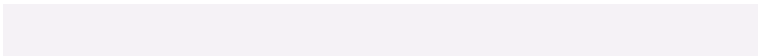
83.9809, 89.2375, 100.0073

Triad

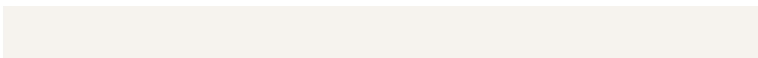
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6049, 89.2375, 98.4061



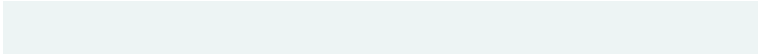
85.8045, 89.2375, 99.5883



85.0532, 89.2375, 93.5694

Complementary

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



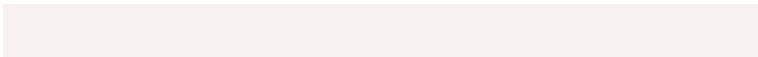
83.6049, 89.2375, 98.4061



82.8818, 85.9183, 92.3407

Split Complementary

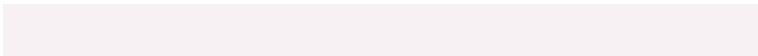
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6597, 89.2375, 94.3760



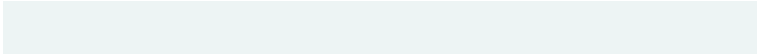
83.6049, 89.2375, 98.4061



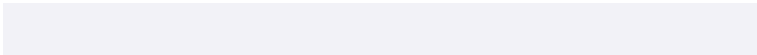
86.0950, 89.2375, 97.8401

Square

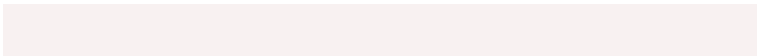
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6049, 89.2375, 98.4061



85.2500, 89.2375, 100.6961



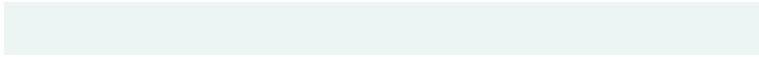
86.0419, 89.2375, 95.9333



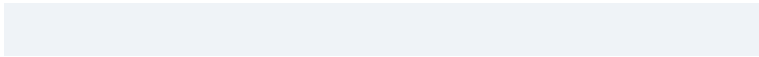
84.3866, 89.2375, 93.7164

Rectangle

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



83.6049, 89.2375, 98.4061



84.3658, 89.2375, 100.6739



86.0419, 89.2375, 95.9333



85.2709, 89.2375, 93.7376

Sweetspot

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



83.6074, 89.2413, 98.4081



94.1178, 99.5195, 108.8552



82.6034, 88.8442, 92.9172



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.6074, 89.2413, 98.4081



92.2907, 98.5776, 108.7674



82.5987, 87.2230, 98.0746



17.9503, 19.2494, 21.3111



26.4587, 38.7283, 52.5628



2.3256, 3.4039, 4.6204

Inverse Universe

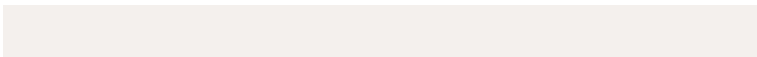
The Inverse Universe completely reimagines the original color for something new.



82.8818, 85.9183, 92.3407



91.4511, 94.7331, 101.7478



83.8706, 87.8969, 92.6676



17.7437, 18.3035, 19.5840



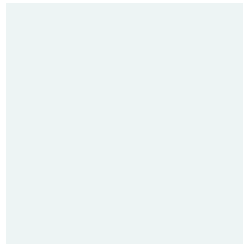
20.2867, 10.4581, 0.9523



1.7831, 0.9192, 0.0844

Previews

White Background



This preview shows how the XYZ color 83.6049, 89.2375, 98.4061 looks on a white background.

Color Contrast Check

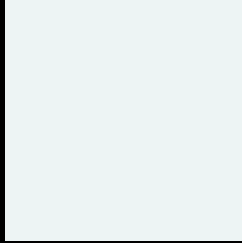
Large Text (above 18pt) WCAG AA × Fail

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 83.6049, 89.2375, 98.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

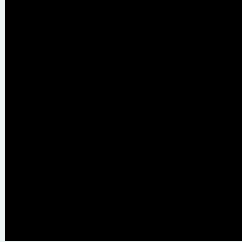
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

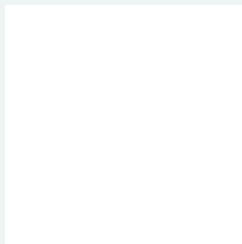
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6049, 89.2375, 98.4061

Background



This preview shows how black text looks on a background with the XYZ color 83.6049, 89.2375, 98.4061.



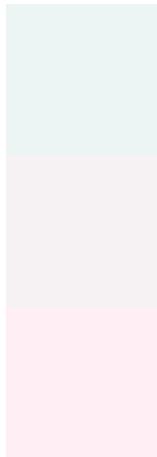
This preview shows how white text looks on a background with the XYZ color 83.6049, 89.2375,

98.461.

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

83.6049, 89.2375, 98.4061

Protanopia

85.4883, 88.9142, 96.6608

Deuteranopia

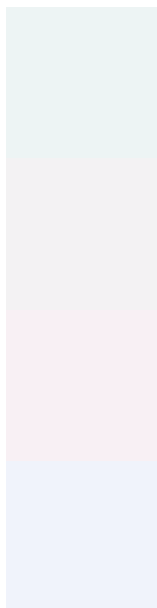
88.1437, 88.9407, 98.1096



Tritanopia

86.0778, 89.4250, 107.3317

Trichromacy



Original Color

83.6049, 89.2375, 98.4061

Protanomaly

84.8919, 89.0300, 97.5042

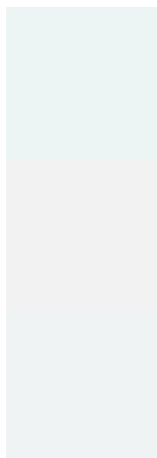
Deuteranomaly

86.2006, 88.8083, 98.1864

Tritanomaly

85.3984, 89.5915, 104.0587

Monochromacy



Original Color

83.6049, 89.2375, 98.4061

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.1634, 89.0975, 97.5557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6049, 89.2375, 98.4061 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(237, 244, 244) looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 244)  
}
```

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(237, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 244) }
```

Border

The CSS property to change the border of an element to XYZ 83.6049, 89.2375, 98.4061 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(237, 244, 244) }
```


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

```
.border{ border-color:rgb(237, 244, 244) }
```

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

Here you see how a box with a 4 pixel rgb(237, 244, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6049, 89.2375, 98.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 244) }
```

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

```
.background{ background-color: rgb(237,  
244, 244) }
```

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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