

# Converting Colors

XYZ(87.1914, 91.6060, 97.6063)

Have a look what the booklet for  
XYZ(87.1914, 91.6060, 97.6063)  
contains.

<b>XYZ(87.1878, 91.5500, 97.8697)</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(87.1878, 91.5500,  
97.8697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F5F3
RGB	247, 245, 243
RGB Percent	97%, 96%, 95%
CMY	0.0314, 0.0392, 0.0471
CMYK	0.00, 0.01, 0.02, 0.03
HSL	30°, 20%, 96%
HSV	30°, 2%, 97%
XYZ	87.1878, 91.5500, 97.8697
YIQ	245.3700, 1.8340, -0.1980

# Conversions

## Conversions Part 2

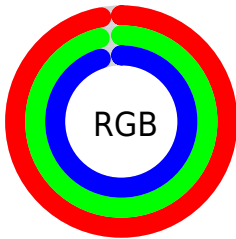
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 247, 243
Decimal	16250355
CIE Lab	96.64, 0.32, 1.18
CIE LCh	97, 1.227, 74.872
Yxy	91.5500, 0.3152, 0.3310
Android (android.graphics.Color)	4294440435 (0xFF7F5F3)
YUV	245.3700, -1.1684, 1.4295
Hunter-Lab	95.6818, -4.7891, 6.3315

# Details

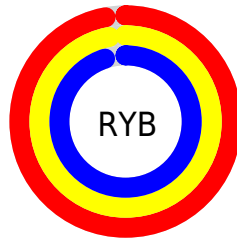
The XYZ color **87.1878, 91.5500, 97.8697** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.4031, 91.0737, 101.0219**, and the grayscale version is **87.0992, 91.6351, 99.7907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6531, 51.0594, 54.3049** is the 20% darker color. If you saturate the color by 10%, you get **80.1017, 82.9502, 78.3260**, and if you desaturate by 10%, it is **92.1683, 98.5144, 108.7651**.

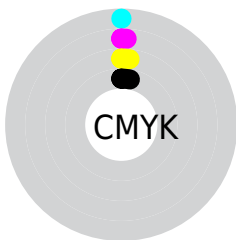
# Distribution



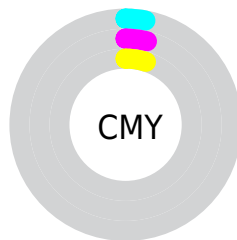
- Red (97%)
- Green (96%)
- Blue (95%)



- Red (97%)
- Yellow (97%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (3%)



- Cyan (3%)
- Magenta (4%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1878, 91.5500, 97.8697 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 87.1878, 91.5500, 97.8697 by changing the saturation by 10% instead.



87.1878, 91.5500,  
97.8697

87.1878, 91.5500,  
97.8697

507.2151,  
533.0601, 574.5291

65.9792, 69.2669,  
73.9157

142.3242,  
149.4896, 160.2528

48.5231, 50.9291,  
54.2287

176.9827,  
185.9148, 199.5190

34.4543, 36.1522,  
38.3901

216.8552,  
227.8229, 244.7264

23.4074, 24.5518,  
25.9814

262.3070,  
275.5983, 296.2934

15.0170, 15.7434,  
16.5841

313.7036,  
329.6253, 354.6386

8.9177, 9.3428,  
9.7796

371.4102,

4.7442, 4.9654,

390.2884, 420.1806

5.1494

435.7922,  
457.9718, 493.3380

■ 2.1312, 2.2270,  
2.2749

■ 0.7061, 0.7347,  
0.7171

■ 87.1878, 91.5500,  
97.8697

■ 87.1878, 91.5500,  
97.8697

■ 80.1017, 82.9502,  
78.3260

■ 92.1683, 98.5144,  
108.7651

■ 73.7385, 75.0263,  
61.3997

■ 68.0747, 67.7639,  
46.9794

■ 63.0825, 61.1437,  
34.9434

■ 58.7317, 55.1453,  
25.1596

■ 54.9897, 49.7468,  
17.4829

■ 51.8203, 44.9247,  
11.7511

■ 49.1828, 40.6532,  
7.7779

■ 47.0287, 36.9031,  
5.3393

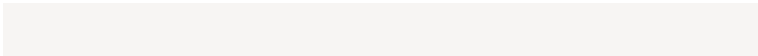
# Harmonies

## Analogous

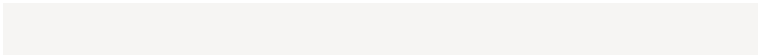
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4839, 91.5500, 98.3554



87.1878, 91.5500, 97.8697



86.8463, 91.5500, 97.8675

# Triad

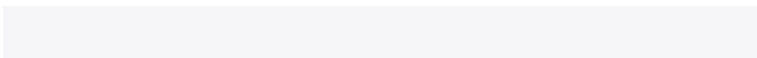
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1878, 91.5500, 97.8697



86.3795, 91.5500, 100.1681



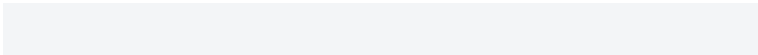
87.4818, 91.5500, 101.0273

# Complementary

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



87.1878, 91.5500, 97.8697



86.4031, 91.0737, 101.0219

# 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.



87.1850, 91.5500, 101.5195



87.1878, 91.5500, 97.8697



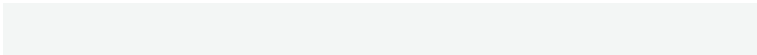
86.5489, 91.5500, 101.0213

# Square

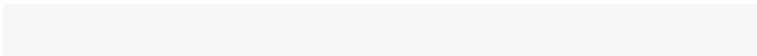
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



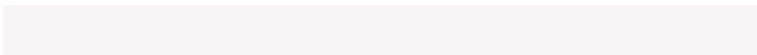
87.1878, 91.5500, 97.8697



86.3803, 91.5500, 99.1902



86.8435, 91.5500, 101.5173

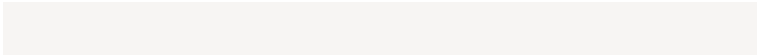


87.6539, 91.5500, 100.1762



# Rectangle

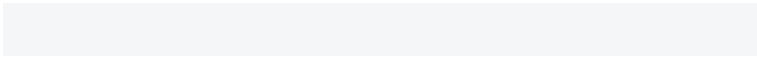
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



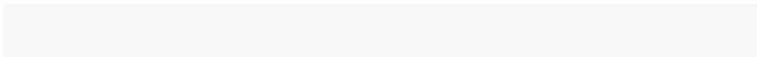
87.1878, 91.5500, 97.8697



86.6389, 91.5500, 98.1404



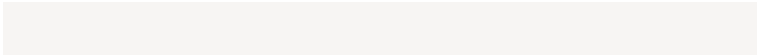
86.8435, 91.5500, 101.5173



87.3932, 91.5500, 101.2404

# Sweetspot

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



87.1904, 91.5539, 97.8717

95.0500, 100.0000, 108.9000



86.8911, 90.4693, 99.2702



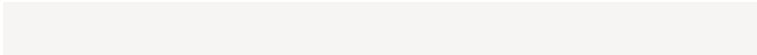
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



87.1904, 91.5539, 97.8717



93.4332, 98.0631, 104.3639



87.7974, 92.7680, 98.0740



18.3292, 19.2399, 20.5017



24.2245, 18.3347, 2.2622

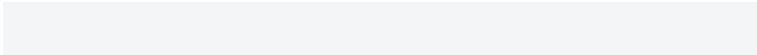


2.2319, 1.8170, 0.2331



# Inverse Universe

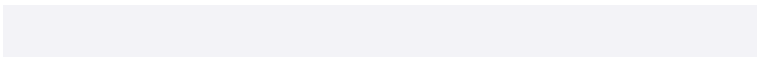
The Inverse Universe completely reimagines the original color for something new.



86.4031, 91.0737, 101.0219



92.3887, 97.4259, 108.5434



85.8026, 89.8727, 100.8217



18.1352, 19.1216, 21.2776



12.7824, 11.3586, 48.0568

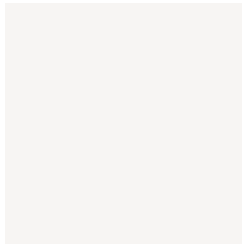


1.2262, 1.2038, 4.2580



# Previews

## White Background



This preview shows how the XYZ color 87.1878, 91.5500, 97.8697 looks on a white background.

## Color Contrast Check

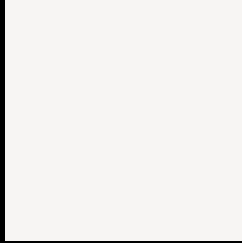
Large Text (above 18pt) WCAG AA × Fail

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 87.1878, 91.5500, 97.8697 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

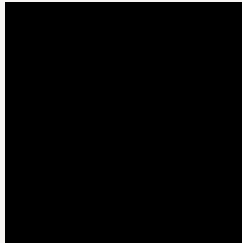
Any Text WCAG AAA ✓ Pass

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

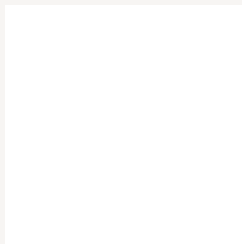


**XYZ 87.1878, 91.5500, 97.8697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.1878, 91.5500, 97.8697.



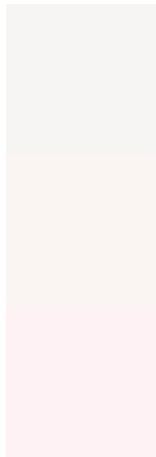
This preview shows how white text looks on a background with the XYZ color 87.1878, 91.5500,



# 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

87.1878, 91.5500, 97.8697

### Protanopia

87.8020, 91.4362, 97.0257

### Deuteranopia

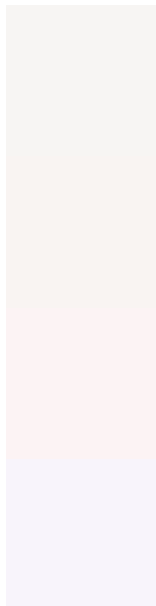
89.4736, 91.3568, 99.3041



## Tritanopia

88.8120, 91.2776, 107.5452

# Trichromacy



## Original Color

87.1878, 91.5500, 97.8697

## Protanomaly

87.4446, 91.2519, 97.0090

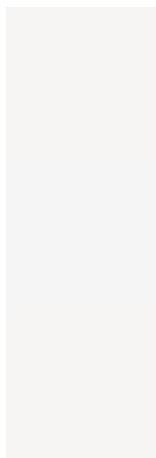
## Deuteranomaly

88.5246, 91.3283, 98.5503

## Tritanomaly

88.4747, 91.6229, 104.2887

# Monochromacy



## Original Color

87.1878, 91.5500, 97.8697

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.9876, 91.4293, 98.6508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1878, 91.5500, 97.8697 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(247, 245, 243) looks like.

```
.text, #text, p{  
    color:rgb(247, 245, 243)  
}
```

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(247, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 245, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1878, 91.5500, 97.8697 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(247, 245, 243) }
```

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

```
.border{ border-color:rgb(247, 245, 243) }
```

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

Here you see how a box with a 4 pixel rgb(247, 245, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(247, 245,  
243) }
```



# Background

The CSS property to change the background color of an element to XYZ 87.1878, 91.5500, 97.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 245, 243) }
```

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

```
.background{ background-color: rgb(247,  
245, 243) }
```

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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