

# Converting Colors

XYZ(85.5550, 90.0078, 98.0032)

Have a look what the booklet for  
XYZ(85.5550, 90.0078, 98.0032)  
contains.

<b>XYZ(85.1904, 89.6269, 97.6037)</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(85.1904, 89.6269,  
97.6037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3F3
RGB	243, 243, 243
RGB Percent	95%, 95%, 95%
CMY	0.0471, 0.0470, 0.0471
CMYK	0.00, 0.00, 0.00, 0.05
HSL	120°, 0%, 95%
HSV	120°, 0%, 95%
XYZ	85.1904, 89.6269, 97.6037
YIQ	243.0000, 0.0000, -0.0000

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>YB</sub></b>	243, 243, 243
Decimal	15987699
CIE <sub>Lab</sub>	95.84, 0.01, -0.01
CIE <sub>LCh</sub>	96, 0.011, 297.074
Yxy	89.6269, 0.3127, 0.3290
Android (android.graphics.Color)	4294177779 (0xFFFF3F3F3)
YUV	243.0000, 0.0000, 0.0000
Hunter-Lab	94.6715, -5.0514, 5.1437

# Details

The XYZ color **85.1904, 89.6269, 97.6037** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.1937, 89.6293, 97.6085**, and the grayscale version is **85.1936, 89.6303, 97.6074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2335, 49.6933, 54.1160** is the 20% darker color. If you saturate the color by 10%, you get **73.9360, 84.2239, 79.1717**, and if you desaturate by 10%, it is **91.3423, 92.5846, 107.6641**.

# Distribution



Red (95%)

Green (95%)

Blue (95%)



Red (95%)

Yellow (95%)

Blue (95%)

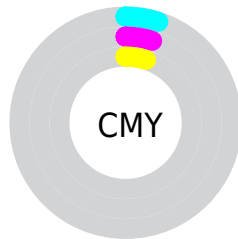


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1904, 89.6269, 97.6037 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 85.1904, 89.6269, 97.6037 by changing the saturation by 10% instead.



85.1904, 89.6269,  
97.6037

85.1904, 89.6269,  
97.6037

500.7321,  
526.8164, 573.6632

64.3217, 67.6712,  
73.6951

139.5518,  
146.8200, 159.8832

47.1740, 49.6303,  
54.0493

173.7753,  
182.8263, 199.0913

33.3817, 35.1197,  
38.2476

213.1811,  
224.2849, 244.2362

22.5797, 23.7551,  
25.8716

258.1345,  
271.5802, 295.7366

14.4024, 15.1521,  
16.5027

309.0010,  
325.0966, 354.0109

8.4847, 8.9262,  
9.7224

366.1458,

4.4610, 4.6931,

385.2185, 419.4778

5.1121

429.9344,  
452.3303, 492.5557

■ 1.9661, 2.0683,  
2.2533

■ 0.6148, 0.6467,  
0.7049

■ 85.1904, 89.6269,  
97.6037

■ 85.1904, 89.6269,  
97.6037

■ 73.9360, 84.2239,  
79.1717

■ 91.3423, 92.5846,  
107.6641

■ 64.2088, 79.5518,  
63.2460

■ 55.9454, 75.5827,  
49.7201

■ 49.0749, 72.2825,  
38.4778

■ 43.5206, 69.6145,  
29.3931

■ 39.1985, 67.5383,  
22.3280

■ 36.0149, 66.0089,  
17.1284

■ 33.8625, 64.9747,  
13.6180

■ 32.6137, 64.3746,  
11.5870

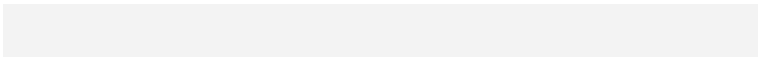
# Harmonies

## Analogous

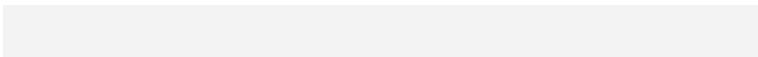
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1874, 89.6269, 97.6056



85.1904, 89.6269, 97.6037



85.1927, 89.6269, 97.5978

# Triad

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



85.1904, 89.6269, 97.6037



85.1909, 89.6269, 97.5741



85.1817, 89.6269, 97.5876

# Complementary

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



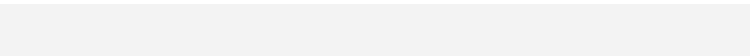
85.1904, 89.6269, 97.6037



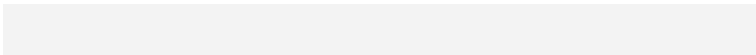
85.1937, 89.6293, 97.6085

# Split Complementary

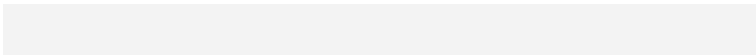
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1827, 89.6269, 97.5792



85.1904, 89.6269, 97.6037



85.1880, 89.6269, 97.5714

# Square

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



85.1904, 89.6269, 97.6037



85.1930, 89.6269, 97.5807



85.1850, 89.6269, 97.5732



85.1824, 89.6269, 97.5962



# Rectangle

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



85.1904, 89.6269, 97.6037



85.1935, 89.6269, 97.5923



85.1850, 89.6269, 97.5732



85.1819, 89.6269, 97.5846

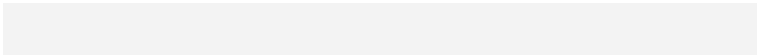
# Sweetspot

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



85.1929, 89.6308, 97.6057

95.0500, 100.0000, 108.9000



85.1943, 89.6314, 97.6057



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

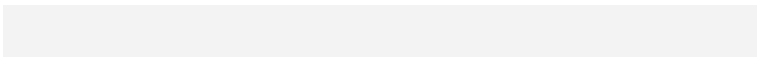
# Same Dimension

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



85.1929, 89.6308, 97.6057

95.0500, 100.0000, 108.9000



85.1932, 89.6309, 97.6072



18.6292, 19.5994, 21.3438



17.5948, 35.1832, 5.8637



1.5474, 3.0928, 0.5154



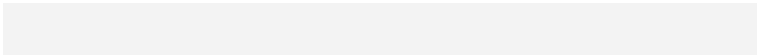
# Inverse Universe

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



85.1937, 89.6293, 97.6085

95.0500, 100.0000, 108.9000



85.1934, 89.6292, 97.6070



18.6292, 19.5994, 21.3438



29.0828, 13.9670, 47.7011



2.5570, 1.2281, 4.1925



# Previews

## White Background



This preview shows how the XYZ color 85.1904, 89.6269, 97.6037 looks on a white background.

## Color Contrast Check

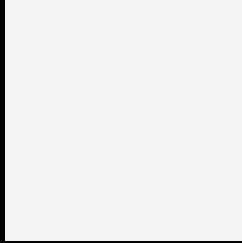
Large Text (above 18pt) WCAG AA × Fail

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 85.1904, 89.6269, 97.6037 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

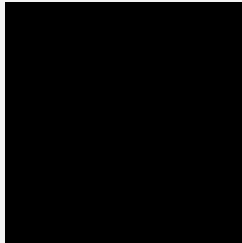
Any Text WCAG AAA ✓ Pass

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

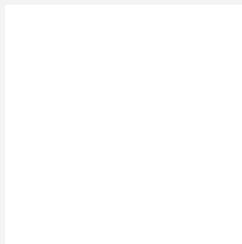


**XYZ 85.1904, 89.6269, 97.6037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.1904, 89.6269, 97.6037.



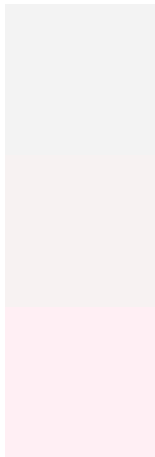
This preview shows how white text looks on a background with the XYZ color 85.1904, 89.6269,

97.637.

# 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

85.1904, 89.6269, 97.6037

### Protanopia

86.1369, 89.6892, 96.7762

### Deuteranopia

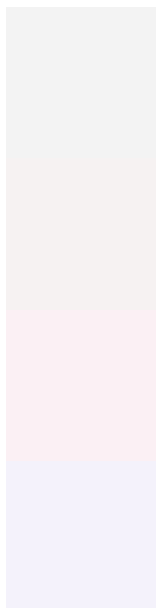
88.4356, 89.5247, 98.2069



## Tritanopia

87.1615, 89.5431, 107.2974

# Trichromacy



## Original Color

85.1904, 89.6269, 97.6037

## Protanomaly

85.7852, 89.5079, 96.7598

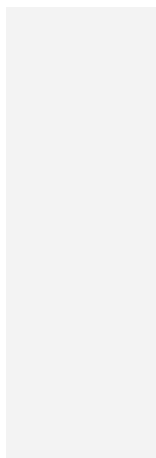
## Deuteranomaly

87.2729, 89.3611, 98.2366

## Tritanomaly

86.4729, 89.7024, 104.0235

# Monochromacy



## Original Color

85.1904, 89.6269, 97.6037

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.1904, 89.6269, 97.6037

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1904, 89.6269, 97.6037 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(243, 243, 243) looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 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(243, 243, 243) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 85.1904, 89.6269, 97.6037 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(243, 243, 243) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 85.1904, 89.6269, 97.6037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(243,  
243, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor