

# Converting Colors

XYZ(83.9750, 88.3482, 96.2112)

Have a look what the booklet for  
XYZ(83.9750, 88.3482, 96.2112)  
contains.

<b>XYZ(83.6081, 87.9622, 95.7909)</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(83.6081, 87.9622,  
95.7909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F1F1
RGB	241, 241, 241
RGB Percent	95%, 95%, 95%
CMY	0.0549, 0.0549, 0.0549
CMYK	0.00, 0.00, 0.00, 0.05
HSL	122°, 0%, 95%
HSV	122°, 0%, 95%
XYZ	83.6081, 87.9622, 95.7909
YIQ	241.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 241, 241
Decimal	15856113
CIE Lab	95.15, 0.01, -0.01
CIE LCh	95, 0.011, 296.966
Yxy	87.9622, 0.3127, 0.3290
Android (android.graphics.Color)	4294046193 (0xFFFF1F1F1)
YUV	241.0000, 0.0000, 0.0000
Hunter-Lab	93.7882, -5.0042, 5.0956

# Details

The XYZ color **83.6081, 87.9622, 95.7909** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6113, 87.9645, 95.7955**, and the grayscale version is **83.6113, 87.9656, 95.7945**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1135, 48.5150, 52.8328** is the 20% darker color. If you saturate the color by 10%, you get **72.6399, 82.6893, 78.1585**, and if you desaturate by 10%, it is **90.7470, 91.3939, 107.4657**.

# 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 83.6081, 87.9622, 95.7909 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 83.6081, 87.9622, 95.7909 by changing the saturation by 10% instead.



83.6081, 87.9622,  
95.7909

83.6081, 87.9622,  
95.7909

495.5643,  
521.3794, 567.7428

63.0105, 66.2918,  
72.1929

137.3509,  
144.5045, 157.3618

46.1084, 48.5093,  
52.8285

171.2269,  
180.1452, 196.1717

32.5364, 34.2304,  
37.2791

210.2598,  
221.2114, 240.8894

21.9290, 23.0706,  
25.1262

254.8148,  
268.0876, 291.9334

13.9211, 14.6457,  
15.9512

305.2574,  
321.1581, 349.7222

8.1471, 8.5711,  
9.3356

361.9530,

4.2418, 4.4625,

380.8073, 414.6743

4.8610

425.2668,  
447.4196, 487.2083

■ 1.8398, 1.9355,  
2.1086

■ 0.5415, 0.5696,  
0.6209

■ 83.6081, 87.9622,  
95.7909

■ 83.6081, 87.9622,  
95.7909

■ 72.6399, 82.6893,  
78.1585

■ 90.7470, 91.3939,  
107.4657

■ 63.1488, 78.1253,  
62.8569

■ 55.0740, 74.2435,  
49.7903

■ 48.3476, 71.0110,  
38.8544

■ 42.8962, 68.3924,  
29.9360

■ 38.6394, 66.3490,  
22.9120

■ 35.4874, 64.8374,  
17.6455

■ 33.3381, 63.8083,  
13.9814

■ 32.0703, 63.2031,  
11.7376

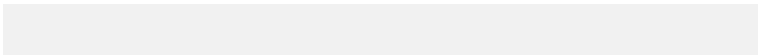
# Harmonies

## Analogous

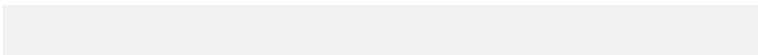
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6051, 87.9622, 95.7927



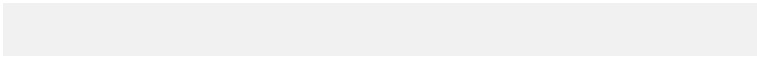
83.6081, 87.9622, 95.7909



83.6104, 87.9622, 95.7851

# Triad

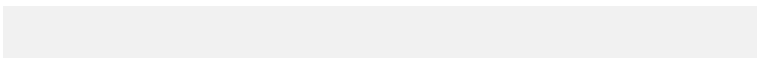
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6081, 87.9622, 95.7909



83.6086, 87.9622, 95.7618



83.5996, 87.9622, 95.7750

# Complementary

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



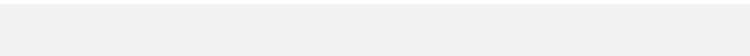
83.6081, 87.9622, 95.7909



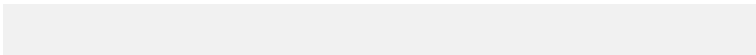
83.6113, 87.9645, 95.7955

# Split Complementary

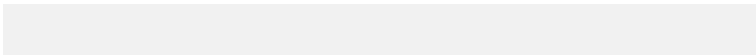
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6005, 87.9622, 95.7667



83.6081, 87.9622, 95.7909



83.6057, 87.9622, 95.7591

# Square

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



83.6081, 87.9622, 95.7909



83.6107, 87.9622, 95.7682



83.6028, 87.9622, 95.7609



83.6002, 87.9622, 95.7835



# Rectangle

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



83.6081, 87.9622, 95.7909



83.6112, 87.9622, 95.7797



83.6028, 87.9622, 95.7609



83.5997, 87.9622, 95.7721

# Sweetspot

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



83.6106, 87.9660, 95.7928

95.0500, 100.0000, 108.9000



83.6119, 87.9667, 95.7928



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

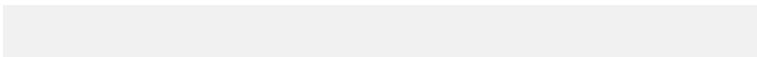
# Same Dimension

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



83.6106, 87.9660, 95.7928

95.0500, 100.0000, 108.9000



83.6109, 87.9661, 95.7944



17.8044, 18.7317, 20.3988



17.0849, 34.1260, 5.8301



1.4274, 2.8414, 0.5171



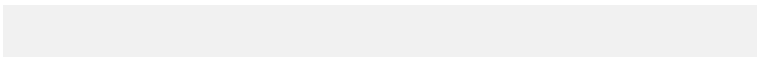
# Inverse Universe

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



83.6113, 87.9645, 95.7955

95.0500, 100.0000, 108.9000



83.6111, 87.9644, 95.7939



17.8044, 18.7317, 20.3988



27.7679, 13.3796, 43.5557



2.3159, 1.1154, 3.6542



# Previews

## White Background



This preview shows how the XYZ color 83.6081, 87.9622, 95.7909 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 83.6081, 87.9622, 95.7909 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

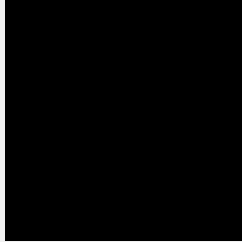
Any Text WCAG AAA ✓ Pass

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

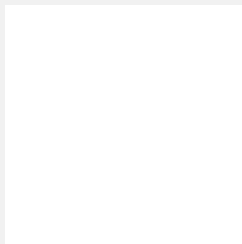


**XYZ 83.6081, 87.9622, 95.7909**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.6081, 87.9622, 95.7909.



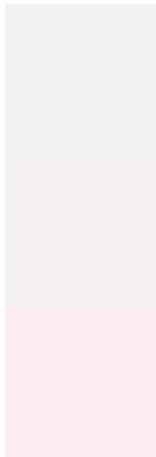
This preview shows how white text looks on a background with the XYZ color 83.6081, 87.9622,

95.7909.

# 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

83.6081, 87.9622, 95.7909

### Protanopia

84.5445, 88.0239, 94.9724

### Deuteranopia

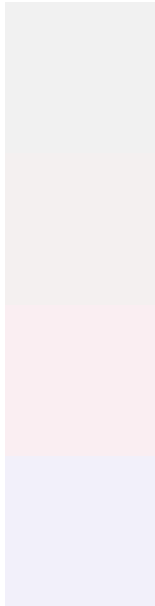
87.2625, 87.6617, 96.3256



## Tritanopia

85.8787, 88.0077, 107.0686

# Trichromacy



## Original Color

83.6081, 87.9622, 95.7909

## Protanomaly

84.1965, 87.8445, 94.9561

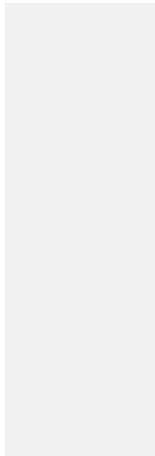
## Deuteranomaly

86.0259, 87.8839, 96.4336

## Tritanomaly

85.0334, 88.0995, 102.9657

# Monochromacy



## Original Color

83.6081, 87.9622, 95.7909

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.6081, 87.9622, 95.7909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6081, 87.9622, 95.7909 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(241, 241, 241) looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 241)  
}
```

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(241, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6081, 87.9622, 95.7909 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(241, 241, 241) }
```

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

```
.border{ border-color:rgb(241, 241, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 241, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
241) }
```



# Background

The CSS property to change the background color of an element to XYZ 83.6081, 87.9622, 95.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 241) }
```

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

```
.background{ background-color: rgb(241,  
241, 241) }
```

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