

# Converting Colors

XYZ(86.6336, 91.1450, 99.2673)

Have a look what the booklet for  
XYZ(86.6336, 91.1450, 99.2673)  
contains.

<b>XYZ(86.7900, 91.3099, 99.4364)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	27
<i><b>CSS Examples</b></i> .....	30

# **Color**

**XYZ(86.7900, 91.3099,  
99.4364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5F5
RGB	245, 245, 245
RGB Percent	96%, 96%, 96%
CMY	0.0392, 0.0392, 0.0392
CMYK	0.00, 0.00, 0.00, 0.04
HSL	122°, 0%, 96%
HSV	122°, 0%, 96%
XYZ	86.7900, 91.3099, 99.4364
YIQ	245.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

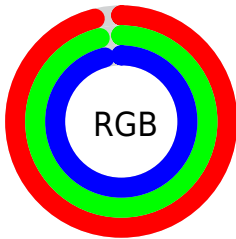
Format	Color
R <sub>Y</sub> B	245, 245, 245
Decimal	16119285
CIE Lab	96.54, 0.00, -0.01
CIE LCh	97, 0.011, 296.425
Yxy	91.3099, 0.3127, 0.3290
Android (android.graphics.Color)	4294309365 (0xFF5F5F5F)
YUV	245.0000, 0.0000, 0.0000
Hunter-Lab	95.5562, -5.0988, 5.1918

# Details

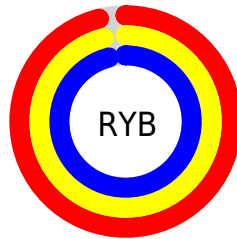
The XYZ color **86.7900, 91.3099, 99.4364** is a light color, and the websafe version is hex **FFFFFF**, and the color name is **whitesmoke**. A complement of this color would be **86.7934, 91.3122, 99.4413**, and the grayscale version is **86.7933, 91.3134, 99.4402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3692, 50.8881, 55.4172** is the 20% darker color. If you saturate the color by 10%, you get **75.4368, 85.8485, 81.3385**, and if you desaturate by 10%, it is **91.9442, 93.7884, 107.8647**.

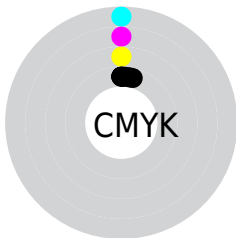
# Distribution



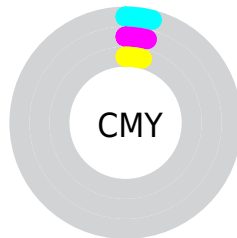
- Red (96%)
- Green (96%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7900, 91.3099, 99.4364 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 86.7900, 91.3099, 99.4364 by changing the saturation by 10% instead.



86.7900, 91.3099,  
99.4364

86.7900, 91.3099,  
99.4364

505.9275,  
532.2828, 579.6154

65.6489, 69.0676,  
75.2157

141.7726,  
149.1566, 162.4276

48.2541, 50.7668,  
55.2868

176.3447,  
185.5297, 202.0351

34.2402, 36.0230,  
39.2312

216.1246,  
227.3819, 247.6086

23.2420, 24.4520,  
26.6305

261.4776,  
275.0976, 299.5667

14.8940, 15.6692,  
17.0659

312.7690,  
329.0611, 358.3279

8.8308, 9.2904,  
10.1190

370.3642,

4.6872, 4.9311,

389.6569, 424.3107

5.3713

434.6286,  
457.2693, 497.9337

■ 2.0978, 2.2069,  
2.4042

■ 0.6880, 0.7237,  
0.7887

■ 86.7900, 91.3099,  
99.4364

■ 86.7900, 91.3099,  
99.4364

■ 75.4368, 85.8485,  
81.3385

■ 91.9442, 93.7884,  
107.8647

■ 65.6080, 81.1197,  
65.6034

■ 57.2412, 77.0959,  
52.1356

■ 50.2664, 73.7433,  
40.8305

■ 44.6082, 71.0254,  
31.5755

■ 40.1839, 68.9021,  
24.2478

■ 36.9012, 67.3290,  
18.7115

■ 34.6554, 66.2552,  
14.8129

■ 33.3219, 65.6204,  
12.3728

# Harmonies

## Analogous

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



86.7869, 91.3099, 99.4382



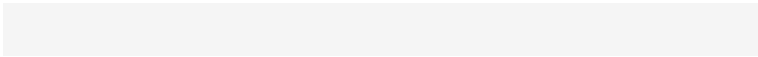
86.7900, 91.3099, 99.4364



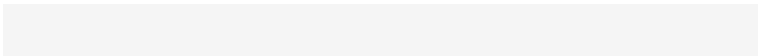
86.7923, 91.3099, 99.4305

# Triad

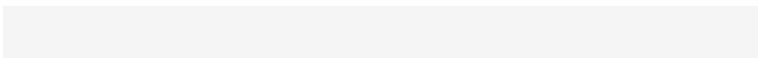
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7900, 91.3099, 99.4364



86.7907, 91.3099, 99.4066



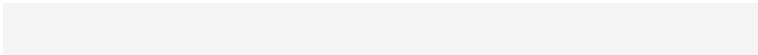
86.7813, 91.3099, 99.4199

# Complementary

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



86.7900, 91.3099, 99.4364



86.7934, 91.3122, 99.4413

# 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.



86.7823, 91.3099, 99.4114



86.7900, 91.3099, 99.4364



86.7877, 91.3099, 99.4038

# Square

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



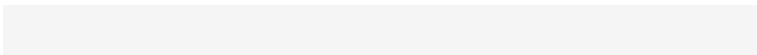
86.7900, 91.3099, 99.4364



86.7927, 91.3099, 99.4133



86.7846, 91.3099, 99.4055



86.7819, 91.3099, 99.4286



# Rectangle

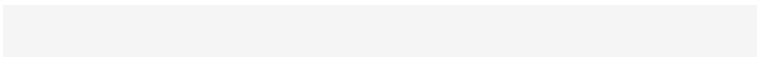
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7900, 91.3099, 99.4364



86.7932, 91.3099, 99.4250



86.7846, 91.3099, 99.4055



86.7815, 91.3099, 99.4169

# Sweetspot

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



86.7926, 91.3138, 99.4384

95.0500, 100.0000, 108.9000



86.7941, 91.3146, 99.4383



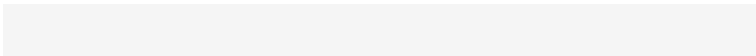
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

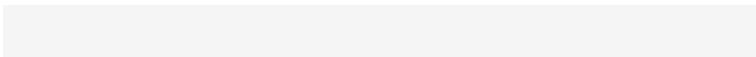
# Same Dimension

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



86.7926, 91.3138, 99.4384

95.0500, 100.0000, 108.9000



86.7929, 91.3140, 99.4402



18.6292, 19.5994, 21.3438



17.6314, 35.1974, 6.0786

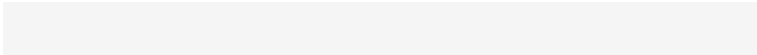


1.5589, 3.0972, 0.5831



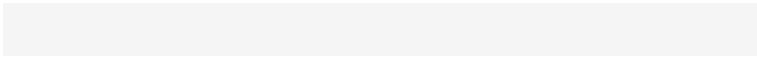
# Inverse Universe

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



86.7934, 91.3122, 99.4413

95.0500, 100.0000, 108.9000



86.7931, 91.3120, 99.4395



18.6292, 19.5994, 21.3438



28.3920, 13.7002, 43.6341

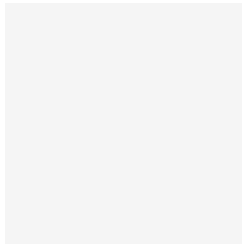


2.5042, 1.2076, 3.8812



# Previews

## White Background



This preview shows how the XYZ color 86.7900, 91.3099, 99.4364 looks on a white background.

## Color Contrast Check

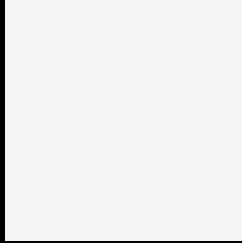
Large Text (above 18pt) WCAG AA × Fail

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 86.7900, 91.3099, 99.4364 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

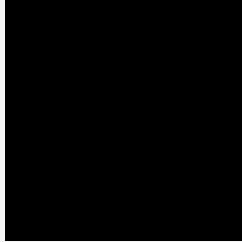
Any Text WCAG AAA ✓ Pass

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

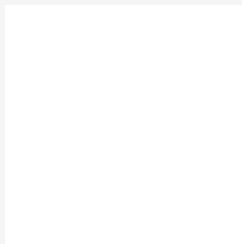


# XYZ 86.7900, 91.3099, 99.4364

## Background



This preview shows how black text looks on a background with the XYZ color 86.7900, 91.3099, 99.4364.



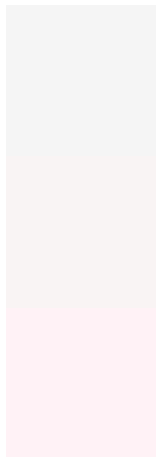
This preview shows how white text looks on a background with the XYZ color 86.7900, 91.3099,

99.4 64.

# 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

86.7900, 91.3099, 99.4364

### Protanopia

87.7467, 91.3728, 98.5999

### Deuteranopia

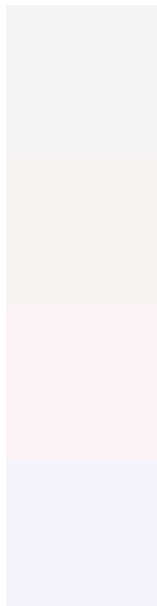
89.6267, 91.4181, 100.1104



## Tritanopia

88.4584, 91.0953, 107.5286

# Trichromacy



## Original Color

86.7900, 91.3099, 99.4364

## Protanomaly

87.3912, 91.1895, 98.5833

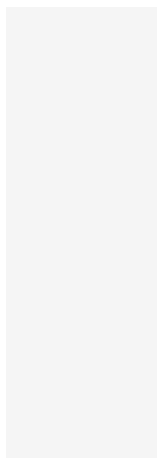
## Deuteranomaly

88.4688, 91.2642, 100.1417

## Tritanomaly

87.7693, 91.2592, 104.2556

# Monochromacy



## Original Color

86.7900, 91.3099, 99.4364

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.7900, 91.3099, 99.4364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7900, 91.3099, 99.4364 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(245, 245, 245) looks like.

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

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

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

## Border

The CSS property to change the border of an element to XYZ 86.7900, 91.3099, 99.4364 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(245, 245, 245) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 86.7900, 91.3099, 99.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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