

# Converting Colors

XYZ(88.4901, 90.3078, 96.1465)

Have a look what the booklet for  
XYZ(88.4901, 90.3078, 96.1465)  
contains.

<b>XYZ(88.5725, 90.5215, 96.0232)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(88.5725, 90.5215,  
96.0232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1F1
RGB	255, 241, 241
RGB Percent	100%, 95%, 95%
CMY	0.0000, 0.0549, 0.0549
CMYK	0.00, 0.05, 0.05, 0.00
HSL	0°, 100%, 97%
HSV	0°, 5%, 100%
XYZ	88.5725, 90.5215, 96.0232
YIQ	245.1860, 8.3440, 2.9680

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 241, 241
Decimal	16773617
CIE Lab	96.21, 4.70, 1.68
CIE LCh	96, 4.993, 19.612
Yxy	90.5215, 0.3219, 0.3290
Android (android.graphics.Color)	4294963697 (0xFFFFF1F1)
YUV	245.1860, -2.0637, 8.6069
Hunter-Lab	95.1428, -0.3266, 6.7613

# Details

The XYZ color 88.5725, 90.5215, 96.0232 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0848, 97.4382, 108.6672, and the grayscale version is 86.9540, 91.4824, 99.6243.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.3946, 50.2065, 52.9864 is the 20% darker color. If you saturate the color by 10%, you get 78.0019, 75.0553, 75.0045, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (95%)

Blue (95%)



Red (100%)

Yellow (95%)

Blue (95%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5725, 90.5215, 96.0232 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 88.5725, 90.5215, 96.0232 by changing the saturation by 10% instead.



88.5725, 90.5215,  
96.0232

88.5725, 90.5215,  
96.0232

511.6836,  
529.7258, 568.5033

67.1297, 68.4133,  
72.3853

144.2424,  
148.0626, 157.6852

49.4611, 50.2340,  
52.9847

179.2002,  
184.2642, 196.5463

35.2014, 35.5994,  
37.4029

219.3936,  
225.9324, 241.3189

23.9853, 24.1249,  
25.2214

265.1881,  
273.4515, 292.4216

15.4474, 15.4263,  
16.0216

316.9490,  
327.2061, 350.2728

9.2223, 9.1191,  
9.3849

375.0416,

4.9448, 4.8190,

387.5804, 415.2911

4.8928

439.8314,  
454.9588, 487.8951

■ 2.2493, 2.1414,  
2.1269

■ 0.7685, 0.6878,  
0.6317

■ 88.5725, 90.5215,  
96.0232

■ 88.5725, 90.5215,  
96.0232

■ 78.0019, 75.0553,  
75.0045

95.0500, 100.0000,  
108.9000

■ 68.9527, 61.8143,  
57.0133

■ 61.3568, 50.6996,  
41.9121

■ 55.1385, 41.6005,  
29.5503

■ 50.2153, 34.3962,  
19.7638

■ 46.4957, 28.9530,  
12.3708

■ 43.8767, 25.1201,  
7.1660

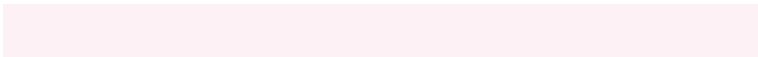
■ 42.2377, 22.7211,  
3.9098

■ 41.4298, 21.5382,  
2.3057

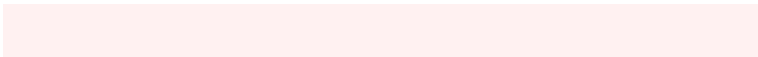
# Harmonies

## Analogous

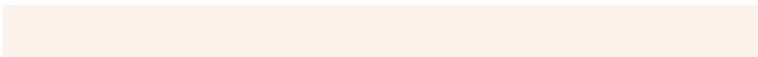
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6856, 90.5215, 99.9449



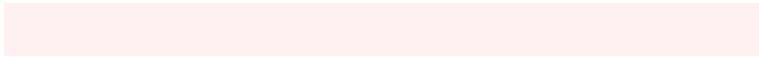
88.5725, 90.5215, 96.0232



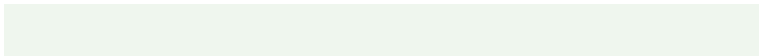
87.7761, 90.5215, 92.8635

# Triad

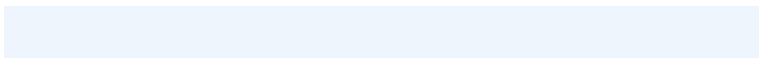
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5725, 90.5215, 96.0232



84.0243, 90.5215, 93.7000



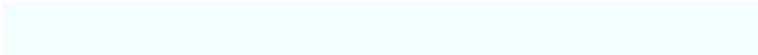
85.5584, 90.5215, 106.2609

# Complementary

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



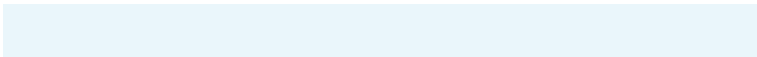
88.5725, 90.5215, 96.0232



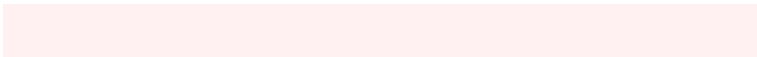
90.0848, 97.4382, 108.6672

# Split Complementary

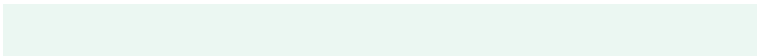
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3229, 90.5215, 104.4901



88.5725, 90.5215, 96.0232



83.4435, 90.5215, 97.1929

# Square

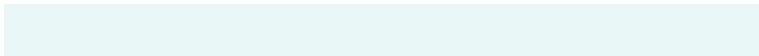
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5725, 90.5215, 96.0232



85.1467, 90.5215, 91.5473



83.5523, 90.5215, 101.1462



86.9355, 90.5215, 105.9273

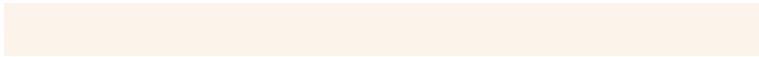


# Rectangle

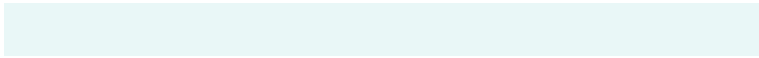
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



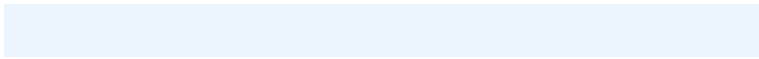
88.5725, 90.5215, 96.0232



86.9696, 90.5215, 91.5809



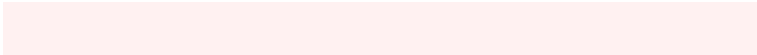
83.5523, 90.5215, 101.1462



85.1130, 90.5215, 105.8902

# Sweetspot

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



88.5745, 90.5252, 96.0251



92.6347, 96.4659, 104.0977



90.7458, 91.3916, 107.4653



19.8529, 20.6847, 22.3315



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

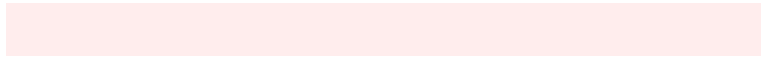


# Same Dimension

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



88.5745, 90.5252, 96.0251



86.8773, 88.0417, 92.6505



90.6851, 94.7463, 96.7286



18.4523, 18.6353, 19.5467



21.5494, 11.1101, 1.0087



2.0983, 1.0821, 0.0983



# Inverse Universe

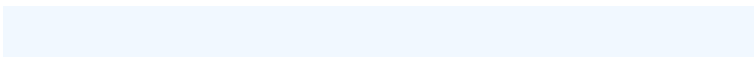
The Inverse Universe completely reimagines the original color for something new.



90.0848, 97.4382, 108.6672



88.7834, 96.7667, 108.6062



87.8939, 93.0564, 107.9369



18.8936, 20.6555, 23.2411



28.1036, 41.1169, 55.8897

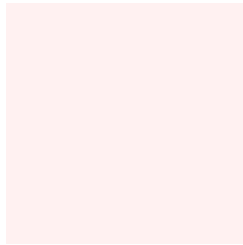


2.7365, 4.0037, 5.4418



# Previews

## White Background



This preview shows how the XYZ color 88.5725, 90.5215, 96.0232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

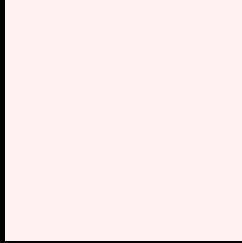
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5725, 90.5215, 96.0232 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

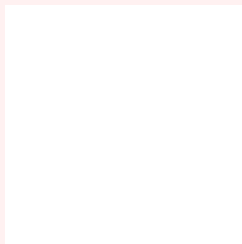
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.5725, 90.5215, 96.0232

## Background



This preview shows how black text looks on a background with the XYZ color 88.5725, 90.5215, 96.0232.



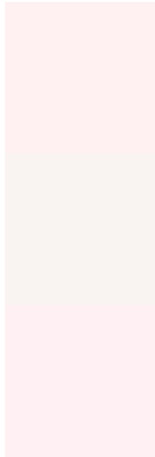
This preview shows how white text looks on a background with the XYZ color 88.5725, 90.5215,



# 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

88.5725, 90.5215, 96.0232

### Protanopia

87.1445, 90.6517, 96.9089

### Deuteranopia

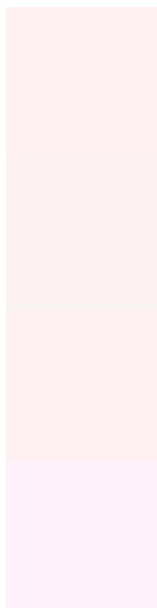
88.8730, 90.6417, 97.6055



## Tritanopia

90.4501, 90.8002, 107.3667

# Trichromacy



## Original Color

88.5725, 90.5215, 96.0232

## Protanomaly

87.5628, 90.4243, 96.8430

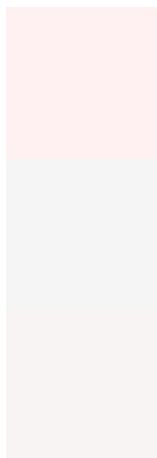
## Deuteranomaly

88.7223, 90.5814, 96.8122

## Tritanomaly

89.6554, 90.4823, 103.1820

# Monochromacy



## Original Color

88.5725, 90.5215, 96.0232

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.7467, 91.3728, 98.5999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5725, 90.5215, 96.0232 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(255, 241, 241) looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5725, 90.5215, 96.0232 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(255, 241, 241) }
```



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

```
.border{ border-color:rgb(255, 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(255, 241, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5725, 90.5215, 96.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 241) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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