

# Converting Colors

XYZ(87.6337, 88.3427, 96.6387)

Have a look what the booklet for  
XYZ(87.6337, 88.3427, 96.6387)  
contains.

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# Color

**XYZ(87.5512, 88.2392,  
96.4218)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFEDF2                    |
| RGB         | 255, 237, 242             |
| RGB Percent | 100%, 93%, 95%            |
| CMY         | 0.0000, 0.0706, 0.0510    |
| CMYK        | 0.00, 0.07, 0.05, 0.00    |
| HSL         | 343°, 100%, 96%           |
| HSV         | 343°, 7%, 100%            |
| XYZ         | 87.5512, 88.2392, 96.4218 |
| YIQ         | 242.9520, 9.1230, 5.3710  |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 237, 242                 |
| Decimal                             | 16772594                      |
| CIE Lab                             | 95.26, 6.92, -0.23            |
| CIE LCh                             | 95, 6.923, 358.105            |
| Yxy                                 | 88.2392, 0.3216,<br>0.3242    |
| Android<br>(android.graphics.Color) | 4294962674<br>(0xFFFFEDF2)    |
| YUV                                 | 242.9520, -0.4693,<br>10.5661 |
| Hunter-Lab                          | 93.9357, 1.9804,<br>4.8959    |

# Details

The XYZ color **87.5512, 88.2392, 96.4218** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9431, 96.4280, 104.4235**, and the grayscale version is **85.1536, 89.5882, 97.5616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6755, 48.5987, 53.2694** is the 20% darker color. If you saturate the color by 10%, you get **78.0580, 73.4595, 80.2884**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (93%)

Blue (95%)



Red (100%)

Yellow (93%)

Blue (95%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5512, 88.2392, 96.4218 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 87.5512, 88.2392, 96.4218 by changing the saturation by 10% instead.




 87.5512, 88.2392,  
96.4218

 87.5512, 88.2392,  
96.4218


508.3898,  
522.2862, 569.8070

 66.2810, 66.5212,  
72.7155

142.8279,  
144.8901, 158.2399

 48.7691, 48.6956,  
53.2530


177.5651,  
180.5918, 197.1887

 34.6501, 34.3781,  
37.6156

217.5220,  
221.7236, 242.0554

 23.5587, 23.1842,  
25.3850

263.0640,  
268.6697, 293.2587

 15.1296, 14.7296,  
16.1425

314.5564,  
321.8146, 351.2169

 8.9973, 8.6298,  
9.4696

372.3646,

 4.7965, 4.5005,

381.5428, 416.3486

4.9478

436.8540,  
448.2385, 489.0725

■ 2.1619, 1.9573,  
2.1584

■ 0.7225, 0.5825,  
0.6502

■ 87.5512, 88.2392,  
96.4218

■ 87.5512, 88.2392,  
96.4218

■ 78.0580, 73.4595,  
80.2884

95.0500, 100.0000,  
108.9000

■ 69.8390, 60.7959,  
65.9130

■ 62.8405, 50.1542,  
53.2365

■ 57.0025, 41.4287,  
42.1941

■ 52.2596, 34.5043,  
32.7170

■ 48.5400, 29.2533,  
24.7311

■ 45.7626, 25.5309,  
18.1557

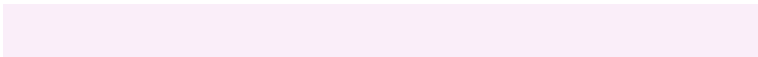
■ 43.8331, 23.1677,  
12.9017

■ 42.6335, 21.9478,  
8.8662

# Harmonies

## Analogous

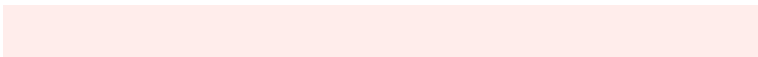
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9902, 88.2392, 101.6786



87.5512, 88.2392, 96.4218



87.1133, 88.2392, 91.2603

# Triad

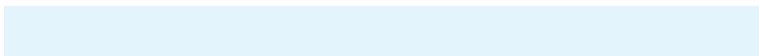
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5512, 88.2392, 96.4218



82.1694, 88.2392, 87.1916



81.9644, 88.2392, 105.1818

# Complementary

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



87.5512, 88.2392, 96.4218



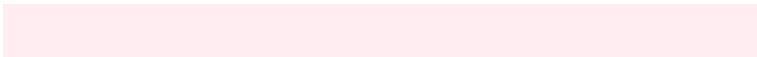
87.9431, 96.4280, 104.4235

# Split Complementary

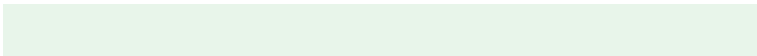
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7057, 88.2392, 101.0613



87.5512, 88.2392, 96.4218



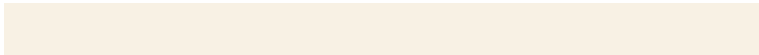
80.8228, 88.2392, 90.6859

# Square

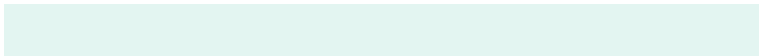
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



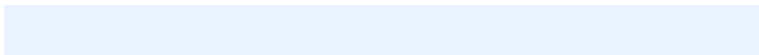
87.5512, 88.2392, 96.4218



83.9889, 88.2392, 86.0522



80.2910, 88.2392, 95.7340



83.7487, 88.2392, 106.8526

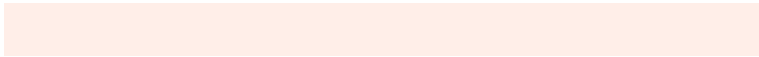


# Rectangle

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



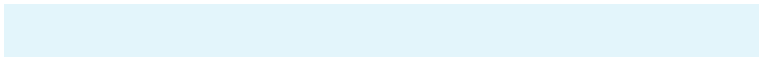
87.5512, 88.2392, 96.4218



86.3174, 88.2392, 88.5411



80.2910, 88.2392, 95.7340



81.4668, 88.2392, 104.0298

# Sweetspot

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



87.5532, 88.2428, 96.4237



92.8570, 96.5541, 105.2708



87.7251, 88.0977, 106.9887



19.8982, 20.7026, 22.5704



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

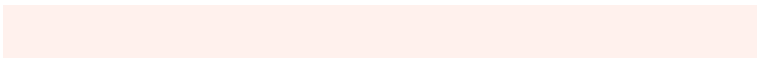
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5532, 88.2428, 96.4237



86.6013, 86.7548, 94.8244



87.9541, 90.2290, 92.9057



18.2166, 18.0699, 19.7577



22.1936, 11.3667, 4.4039



2.2049, 1.1243, 0.6602



# Inverse Universe

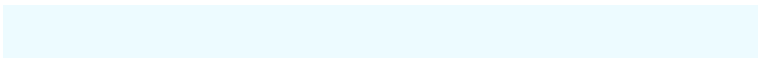
The Inverse Universe completely reimagines the original color for something new.



87.5532, 88.2428, 96.4237



86.6013, 86.7548, 94.8244



87.5059, 94.2832, 108.1942



18.2166, 18.0699, 19.7577



22.1936, 11.3667, 4.4039

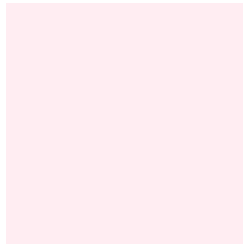


2.2049, 1.1243, 0.6602



# Previews

## White Background



This preview shows how the XYZ color 87.5512, 88.2392, 96.4218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

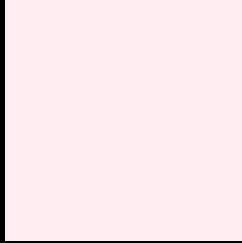
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.5512, 88.2392, 96.4218 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 87.5512, 88.2392, 96.4218**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.5512, 88.2392, 96.4218.



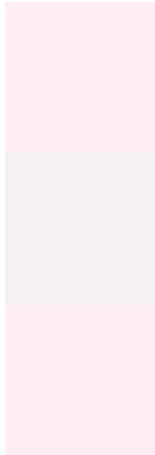
This preview shows how white text looks on a background with the XYZ color 87.5512, 88.2392,

96.418.

# 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

87.5512, 88.2392, 96.4218

### Protanopia

85.1454, 88.2643, 98.1370

### Deuteranopia

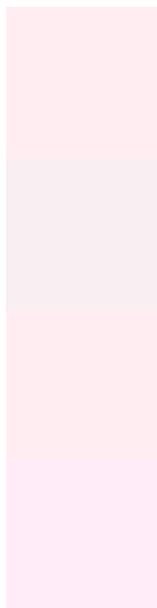
87.5512, 88.2392, 96.4218



## Tritanopia

88.8061, 88.2792, 104.4545

# Trichromacy



## Original Color

87.5512, 88.2392, 96.4218

## Protanomaly

86.1111, 88.3438, 97.3075

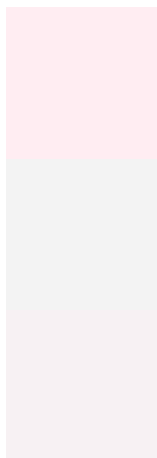
## Deuteranomaly

87.5512, 88.2392, 96.4218

## Tritanomaly

88.1787, 88.0282, 101.1506

# Monochromacy



## Original Color

87.5512, 88.2392, 96.4218

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.9907, 89.1558, 97.4706

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.5512, 88.2392, 96.4218 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, 237, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 242)  
}
```

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, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5512, 88.2392, 96.4218 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, 237, 242) }
```



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

```
.border{ border-color:rgb(255, 237, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5512, 88.2392, 96.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 242) }
```

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

```
.background{ background-color: rgb(255,  
237, 242) }
```

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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