

Converting Colors

XYZ(87.1724, 88.6319, 92.7489)

Have a look what the booklet for
XYZ(87.1724, 88.6319, 92.7489)
contains.

XYZ(87.1006, 88.5235, 92.6168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.1006, 88.5235,
92.6168)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEED
RGB	255, 238, 237
RGB Percent	100%, 93%, 93%
CMY	0.0000, 0.0666, 0.0706
CMYK	0.00, 0.07, 0.07, 0.00
HSL	3°, 100%, 96%
HSV	3°, 7%, 100%
XYZ	87.1006, 88.5235, 92.6168
YIQ	242.9690, 10.4530, 3.2930

Conversions

Conversions Part 2

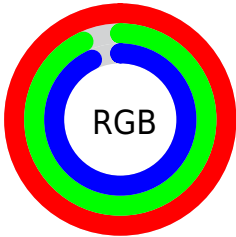
Format	Color
R _Y B	255, 238, 237
Decimal	16772845
CIE Lab	95.38, 5.57, 2.54
CIE LCh	95, 6.119, 24.497
Yxy	88.5235, 0.3247, 0.3300
Android (android.graphics.Color)	4294962925 (0xFFFFEEED)
YUV	242.9690, -2.9427, 10.5512
Hunter-Lab	94.0869, 0.5935, 7.4973

Details

The XYZ color **87.1006, 88.5235, 92.6168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.4160, 96.1056, 108.4980**, and the grayscale version is **85.1854, 89.6217, 97.5981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3571, 48.7979, 50.5863** is the 20% darker color. If you saturate the color by 10%, you get **77.0895, 74.0456, 72.1874**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



Red (100%)

Green (93%)

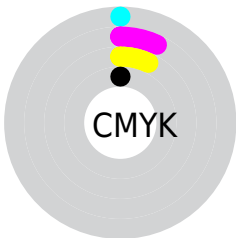
Blue (93%)



Red (100%)

Yellow (93%)

Blue (93%)



Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1006, 88.5235, 92.6168 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 87.1006, 88.5235, 92.6168 by changing the saturation by 10% instead.


 87.1006, 88.5235,
92.6168

 87.1006, 88.5235,
92.6168


506.9330,
523.2161, 557.2952

 65.9068, 66.7567,
69.5672


142.2033,
145.2858, 152.9351

 48.4642, 48.8869,
50.6991


176.8429,
181.0500, 191.0408

 34.4074, 34.5298,
35.5941


216.6951,
222.2489, 235.0023

 23.3711, 23.3009,
23.8337

262.1253,
269.2667, 285.2381

 14.9900, 14.8158,
14.9992

313.4988,
322.4880, 342.1667

 8.8986, 8.6902,
8.6722

371.1810,

 4.7317, 4.5397,

382.2970, 406.2068

4.4341

435.5373,
449.0783, 477.7767

■ 2.1238, 1.9798,
1.8664

■ 0.7021, 0.5957,
0.4712

■ 87.1006, 88.5235,
92.6168

■ 87.1006, 88.5235,
92.6168

■ 77.0895, 74.0456,
72.1874

95.0500, 100.0000,
108.9000

■ 68.4846, 61.5681,
54.7296

■ 61.2245, 51.0064,
40.1066

■ 55.2415, 42.2657,
28.1688

■ 50.4613, 35.2428,
18.7529

■ 46.8026, 29.8247,
11.6778

■ 44.1735, 25.8846,
6.7383

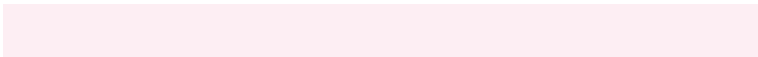
■ 42.4679, 23.2765,
3.6935

■ 41.5551, 21.8244,
2.2377

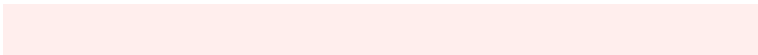
Harmonies

Analogous

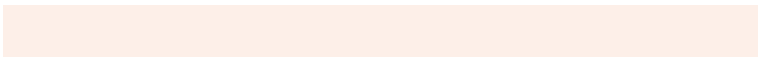
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3821, 88.5235, 97.2733



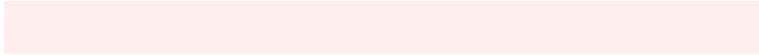
87.1006, 88.5235, 92.6168



86.0212, 88.5235, 89.0791

Triad

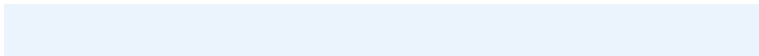
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1006, 88.5235, 92.6168



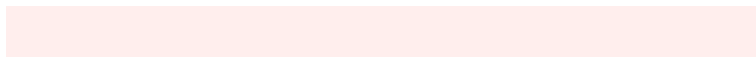
81.5469, 88.5235, 91.1346



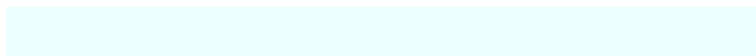
83.8308, 88.5235, 105.8523

Complementary

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



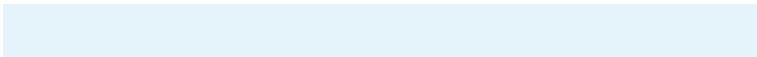
87.1006, 88.5235, 92.6168



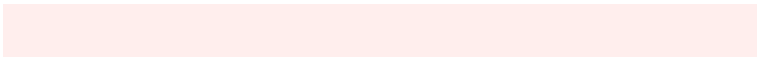
88.4160, 96.1056, 108.4980

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.



82.2844, 88.5235, 104.0841



87.1006, 88.5235, 92.6168



80.9770, 88.5235, 95.5062

Square

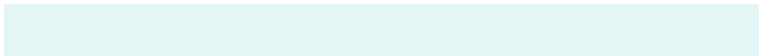
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1006, 88.5235, 92.6168



82.8120, 88.5235, 88.2434



81.2452, 88.5235, 100.2582



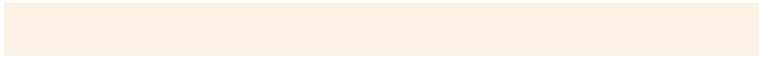
85.4800, 88.5235, 105.0169

Rectangle

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



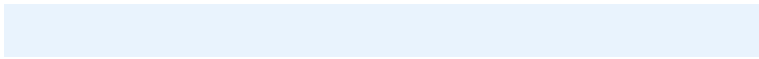
87.1006, 88.5235, 92.6168



85.0018, 88.5235, 87.7783



81.2452, 88.5235, 100.2582



83.2820, 88.5235, 105.5410

Sweetspot

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



87.1026, 88.5271, 92.6187



92.7226, 96.6419, 104.1270



89.4301, 88.9915, 106.3136



19.8708, 20.7205, 22.3374



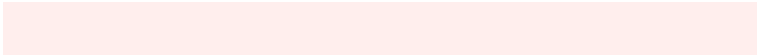
0.0000, 0.0000, 0.0000



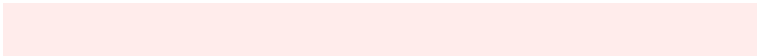
20.3446, 21.4041, 23.3091

Same Dimension

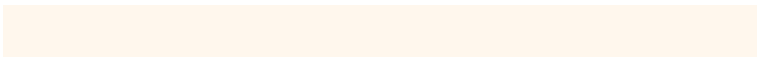
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1026, 88.5271, 92.6187



86.0979, 87.0755, 90.5640



89.7567, 93.8354, 93.5034



18.0907, 18.1496, 18.6941



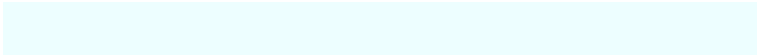
21.6647, 11.3407, 1.0471



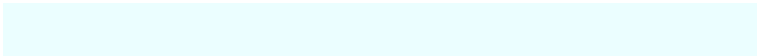
2.1367, 1.1589, 0.1111

Inverse Universe

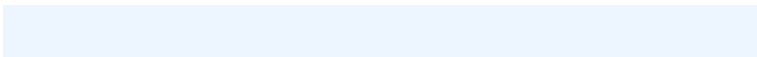
The Inverse Universe completely reimagines the original color for something new.



88.4160, 96.1056, 108.4980



87.5769, 95.6099, 108.4465



85.6586, 90.5907, 107.5788



18.4629, 20.2974, 23.1946



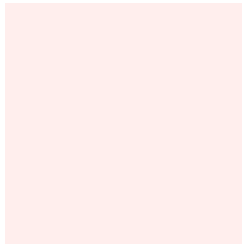
25.8695, 36.6486, 55.1450



2.5443, 3.6192, 5.3778

Previews

White Background



This preview shows how the XYZ color 87.1006, 88.5235, 92.6168 looks on a white background.

Color Contrast Check

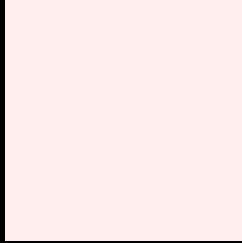
Large Text (above 18pt) WCAG AA × Fail

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 87.1006, 88.5235, 92.6168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

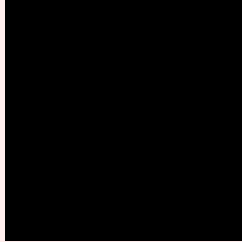
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

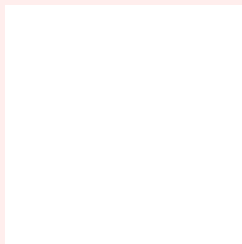
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1006, 88.5235, 92.6168

Background



This preview shows how black text looks on a background with the XYZ color 87.1006, 88.5235, 92.6168.

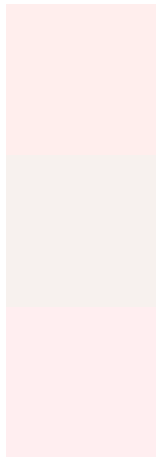


This preview shows how white text looks on a background with the XYZ color 87.1006, 88.5235,

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

87.1006, 88.5235, 92.6168

Protanopia

85.2457, 88.8578, 93.5473

Deuteranopia

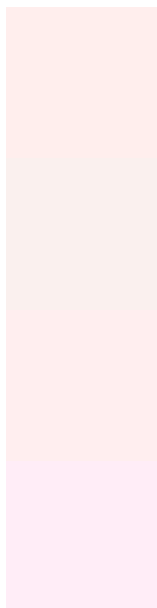
87.5427, 88.7003, 94.9450



Tritanopia

88.8061, 88.2792, 104.4545

Trichromacy



Original Color

87.1006, 88.5235, 92.6168

Protanomaly

86.0170, 88.8172, 93.4988

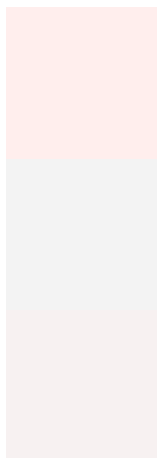
Deuteranomaly

87.3945, 88.6411, 94.1646

Tritanomaly

88.3127, 88.5438, 100.4318

Monochromacy



Original Color

87.1006, 88.5235, 92.6168

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.6903, 89.0356, 95.8883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1006, 88.5235, 92.6168 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, 238, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 237)  
}
```

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, 238, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 237) }
```

Border

The CSS property to change the border of an element to XYZ 87.1006, 88.5235, 92.6168 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, 238, 237) }
```


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

```
.border{ border-color:rgb(255, 238, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1006, 88.5235, 92.6168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 237) }
```

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

```
.background{ background-color: rgb(255,  
238, 237) }
```

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