

Converting Colors

XYZ(68.5670, 82.5917, 12.5366)

Have a look what the booklet for
XYZ(68.5670, 82.5917, 12.5366)
contains.

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Color

**XYZ(68.4084, 82.3968,
12.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F207
RGB	242, 242, 7
RGB Percent	95%, 95%, 3%
CMY	0.0510, 0.0510, 0.9724
CMYK	0.00, 0.00, 0.97, 0.05
HSL	60°, 94%, 49%
HSV	60°, 97%, 95%
XYZ	68.4084, 82.3968, 12.4997
YIQ	215.2100, 75.4350, -73.0850

Conversions

Conversions Part 2

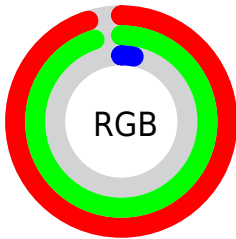
Format	Color
R _Y B	7, 242, 7
Decimal	15921671
CIE Lab	92.75, -20.66, 90.30
CIE LCh	93, 92.631, 102.890
Yxy	82.3968, 0.4189, 0.5046
Android (android.graphics.Color)	4294111751 (0xFFFF2F207)
YUV	215.2100, -102.6475, 23.4948
Hunter-Lab	90.7727, -24.3305, 55.3764

Details

The XYZ color **68.4084, 82.3968, 12.4997** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **16.1925, 6.6094, 84.4319**, and the grayscale version is **65.3768, 68.7815, 74.9031**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **36.6150, 44.9416, 6.7448** is the 20% darker color. If you saturate the color by 10%, you get **68.3716, 82.3852, 12.2984**, and if you desaturate by 10%, it is **68.6224, 82.4856, 13.6173**.

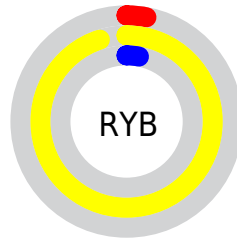
Distribution



Red (95%)

Green (95%)

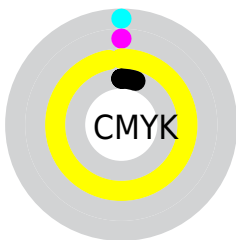
Blue (3%)



Red (3%)

Yellow (95%)

Blue (3%)

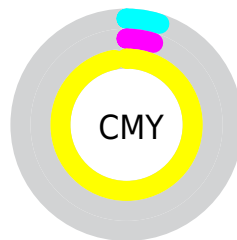


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4084, 82.3968, 12.4997 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 68.4084, 82.3968, 12.4997 by changing the saturation by 10% instead.

68.4084, 82.3968,
12.4997

68.4084, 82.3968,
12.4997

444.2957,
502.9740, 218.7800

50.5049, 61.6927,
6.9583

115.9749,
136.7303, 31.0799

36.0342, 44.7844,
3.3580

146.3687,
171.1285, 44.9558

24.6309, 31.2876,
1.2802

181.6566,
210.8601, 62.4469

15.9295, 20.8180,
0.0455

222.2040,
256.3096, 83.9718

9.5648, 12.9910,
0.0000

268.3762,
307.8613, 109.9490

5.1714, 7.4224,
0.0000

320.5387,

2.3840, 3.7276,

365.8997, 140.7971

0.0000

379.0567,
430.8091, 176.9346

■ 0.8371, 1.5224,
0.0000

■ 0.0000, 0.3044,
0.0000

■ 68.4084, 82.3968,
12.4997

■ 68.4084, 82.3968,
12.4997

■ 68.3716, 82.3852,
12.2984

■ 68.6224, 82.4856,
13.6173

■ 69.0724, 82.6656,
15.9853

■ 69.8072, 82.9595,
19.8532

■ 70.8633, 83.3820,
25.4134

72.2719, 83.9455,
32.8298

74.0605, 84.6609,
42.2470

76.2538, 85.5383,
53.7951

78.8744, 86.5865,
67.5935

81.9432, 87.8141,
83.7526

Harmonies

Analogous

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



92.7852, 82.3968, 13.1933



68.4084, 82.3968, 12.4997



50.7760, 82.3968, 23.3029

Triad

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



68.4084, 82.3968, 12.4997



48.9863, 82.3968, 214.0521



131.5981, 82.3968, 134.7988

Complementary

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



68.4084, 82.3968, 12.4997



16.1925, 6.6094, 84.4319

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.



114.3551, 82.3968, 226.6553



68.4084, 82.3968, 12.4997



65.4346, 82.3968, 286.2490

Square

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



68.4084, 82.3968, 12.4997



41.2154, 82.3968, 122.7673



89.1361, 82.3968, 291.7772



132.8529, 82.3968, 63.2029

Rectangle

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



68.4084, 82.3968, 12.4997



43.8313, 82.3968, 41.7398



89.1361, 82.3968, 291.7772



127.3394, 82.3968, 164.9762

Sweetspot

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



68.4103, 82.4007, 12.5014



85.3448, 96.1178, 57.7974



36.7351, 19.0466, 1.9423



18.0375, 20.4812, 11.1609



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.



68.4103, 82.4007, 12.5014



76.9970, 92.7785, 13.8499



40.1804, 67.8476, 11.1802



17.1229, 18.4591, 16.8102



36.7276, 44.2553, 6.6064



3.0554, 3.6816, 0.5496

Inverse Universe

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



16.1925, 6.6094, 84.4319



18.0501, 7.2201, 95.0500



24.4921, 10.8880, 84.8203



14.8974, 15.2288, 19.8759



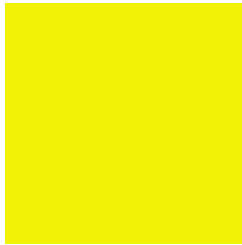
8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 68.4084, 82.3968, 12.4997 looks on a white background.

Color Contrast Check

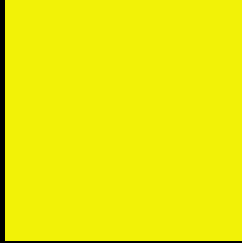
Large Text (above 18pt) WCAG AA × Fail

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 68.4084, 82.3968, 12.4997 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 68.4084, 82.3968, 12.4997

Background



This preview shows how black text looks on a background with the XYZ color 68.4084, 82.3968, 12.4997.

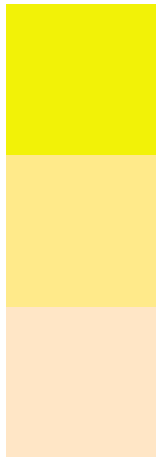


This preview shows how white text looks on a background with the XYZ color 68.4084, 82.3968,

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

68.4084, 82.3968, 12.4997

Protanopia

75.2503, 81.9406, 35.8948

Deuteranopia

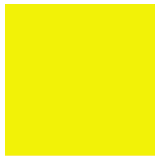
79.7299, 81.9308, 65.0381



Tritanopia

84.3135, 82.0036, 94.6036

Trichromacy



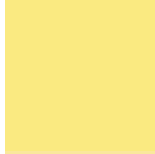
Original Color

68.4084, 82.3968, 12.4997



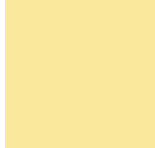
Protanomaly

71.5540, 81.6306, 21.6578



Deuteranomaly

72.8096, 80.7546, 32.5186



Tritanomaly

74.2817, 80.4375, 43.0634

Monochromacy



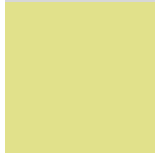
Original Color

68.4084, 82.3968, 12.4997



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

62.6368, 71.7221, 34.9685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4084, 82.3968, 12.4997 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(242, 242, 7)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 7)  
}
```

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(242, 242, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 7) }
```

Border

The CSS property to change the border of an element to XYZ 68.4084, 82.3968, 12.4997 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(242, 242, 7) }
```


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

```
.border{ border-color:rgb(242, 242, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 7);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4084, 82.3968, 12.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 7) }
```

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

```
.background{ background-color: rgb(242,  
242, 7) }
```

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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