

Converting Colors

XYZ(70.6446, 84.4129, 12.5700)

Have a look what the booklet for
XYZ(70.6446, 84.4129, 12.5700)
contains.

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Color

**XYZ(70.7085, 84.4755,
12.5787)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F400
RGB	247, 244, 0
RGB Percent	97%, 96%, 0%
CMY	0.0314, 0.0431, 0.9999
CMYK	0.00, 0.01, 1.00, 0.03
HSL	59°, 100%, 48%
HSV	59°, 100%, 97%
XYZ	70.7085, 84.4755, 12.5787
YIQ	217.0810, 80.1120, -75.2480

Conversions

Conversions Part 2

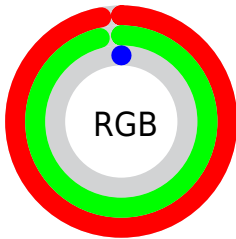
Format	Color
R _Y B	3, 247, 0
Decimal	16249856
CIE Lab	93.66, -19.61, 91.66
CIE LCh	94, 93.730, 102.074
Yxy	84.4755, 0.4215, 0.5035
Android (android.graphics.Color)	4294439936 (0xFFFF7F400)
YUV	217.0810, -107.0209, 26.2390
Hunter-Lab	91.9106, -23.5201, 56.2231

Details

The XYZ color **70.7085, 84.4755, 12.5787** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **16.8218, 6.7814, 88.4175**, and the grayscale version is **66.6865, 70.1594, 76.4036**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **38.2329, 46.4055, 6.9421** is the 20% darker color. If you saturate the color by 10%, you get **70.7101, 84.4791, 12.5793**, and if you desaturate by 10%, it is **70.9730, 84.7287, 13.5185**.

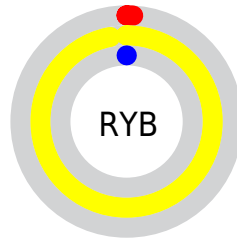
Distribution



Red (97%)

Green (96%)

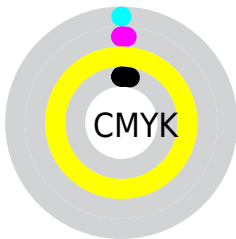
Blue (0%)



Red (1%)

Yellow (97%)

Blue (0%)

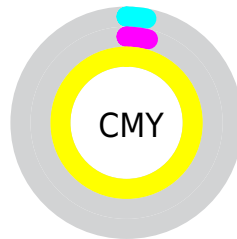


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7085, 84.4755, 12.5787 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 70.7085, 84.4755, 12.5787 by changing the saturation by 10% instead.


 70.7085, 84.4755,
12.5787

 70.7085, 84.4755,
12.5787


452.2615,
509.8909, 219.3118


 52.3860, 63.4081,
7.0118


 119.2393,
139.6401, 31.2248

 37.5384, 46.1714,
3.3909


 150.1784,
174.5062, 45.1411


 25.8002, 32.3811,
1.2975


 186.0537,
214.7405, 62.6776

 16.8061, 21.6528,
0.0598

 227.2307,
260.7276, 84.2528

 10.1908, 13.6020,
0.0000

 274.0745,
312.8517, 110.2853

 5.5889, 7.8444,
0.0000

 326.9507,

 2.6350, 3.9955,

371.4974, 141.1936

0.0000

386.2246,
437.0490, 177.3963

■ 0.9638, 1.6711,
0.0000

■ 0.0000, 0.4048,
0.0000

■ 70.7085, 84.4755,
12.5787

■ 70.7085, 84.4755,
12.5787

■ 70.7101, 84.4791,
12.5793

■ 70.9730, 84.7287,
13.5185

■ 71.4543, 85.0657,
15.6077

■ 72.2217, 85.5174,
19.2029

■ 73.3160, 86.1000,
24.5185

■ 74.7713, 86.8273,
31.7343

■ 76.6174, 87.7111,
41.0074

■ 78.8810, 88.7622,
52.4787

■ 81.5867, 89.9904,
66.2768

■ 84.7568, 91.4045,
82.5201

Harmonies

Analogous

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



95.9088, 84.4755, 13.5627



70.7085, 84.4755, 12.5787



52.3484, 84.4755, 23.2198

Triad

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



70.7085, 84.4755, 12.5787



49.7984, 84.4755, 217.4724



134.8533, 84.4755, 140.8358

Complementary

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



70.7085, 84.4755, 12.5787



16.8218, 6.7814, 88.4175

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.



116.7410, 84.4755, 235.4733



70.7085, 84.4755, 12.5787



66.4687, 84.4755, 293.1862

Square

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



70.7085, 84.4755, 12.5787



42.0541, 84.4755, 123.6649



90.7033, 84.4755, 301.0847



136.6444, 84.4755, 66.2290

Rectangle

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



70.7085, 84.4755, 12.5787



45.0500, 84.4755, 41.6362



90.7033, 84.4755, 301.0847



130.3222, 84.4755, 172.0727

Sweetspot

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



70.7104, 84.4795, 12.5804



84.7912, 95.4244, 56.3330



38.3807, 19.7840, 1.9151



17.9170, 20.3179, 10.8805



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.



70.7104, 84.4795, 12.5804



76.0221, 90.8242, 13.5240



42.1080, 71.0821, 11.5020



17.8965, 19.2771, 17.5752



37.4047, 44.6950, 6.6556



3.2930, 3.9391, 0.5868

Inverse Universe

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



16.8218, 6.7814, 88.4175



18.0835, 7.2871, 95.0612



24.4519, 10.6667, 88.7652



15.5973, 15.9589, 20.8009



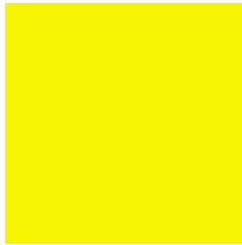
8.9034, 3.6005, 46.7637



0.7881, 0.3276, 4.1119

Previews

White Background



This preview shows how the XYZ color 70.7085, 84.4755, 12.5787 looks on a white background.

Color Contrast Check

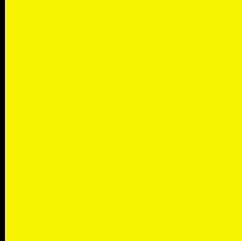
Large Text (above 18pt) WCAG AA × Fail

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 70.7085, 84.4755, 12.5787 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 70.7085, 84.4755, 12.5787

Background



This preview shows how black text looks on a background with the XYZ color 70.7085, 84.4755, 12.5787.



This preview shows how white text looks on a background with the XYZ color 70.7085, 84.4755,

Color Blindness Simulation

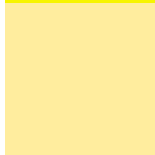
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



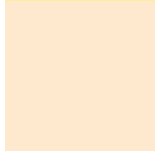
Original Color

70.7085, 84.4755, 12.5787



Protanopia

77.6957, 84.2970, 44.5237



Deuteranopia

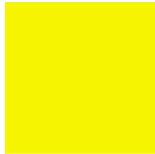
81.5195, 83.9941, 70.3085



Tritanopia

85.5638, 84.2644, 95.7594

Trichromacy



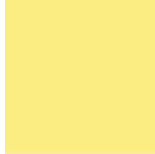
Original Color

70.7085, 84.4755, 12.5787



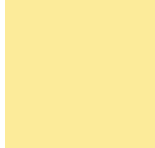
Protanomaly

73.6539, 83.9552, 24.6349



Deuteranomaly

74.5258, 82.9025, 33.5466



Tritanomaly

75.6859, 82.4452, 42.4963

Monochromacy



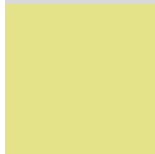
Original Color

70.7085, 84.4755, 12.5787



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.0514, 73.2671, 34.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7085, 84.4755, 12.5787 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(247, 244, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 244, 0)  
}
```

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(247, 244, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 244, 0) }
```

Border

The CSS property to change the border of an element to XYZ 70.7085, 84.4755, 12.5787 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(247, 244, 0) }
```


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

```
.border{ border-color:rgb(247, 244, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 244, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 244, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 244, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 244,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7085, 84.4755, 12.5787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 244, 0) }
```

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

```
.background{ background-color: rgb(247,  
244, 0) }
```

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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