

Converting Colors

XYZ(65.4642, 75.1320, 11.0516)

Have a look what the booklet for
XYZ(65.4642, 75.1320, 11.0516)
contains.

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Color

**XYZ(65.3996, 74.8993,
11.0101)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E400
RGB	245, 228, 0
RGB Percent	96%, 89%, 0%
CMY	0.0392, 0.1059, 0.9999
CMYK	0.00, 0.07, 1.00, 0.04
HSL	56°, 100%, 48%
HSV	56°, 100%, 96%
XYZ	65.3996, 74.8993, 11.0101
YIQ	207.0910, 83.3200, -67.3040

Conversions

Conversions Part 2

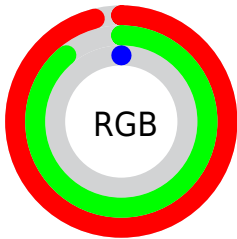
Format	Color
R _Y B	18, 245, 0
Decimal	16114688
CIE Lab	89.35, -12.66, 88.45
CIE LCh	89, 89.355, 98.145
Yxy	74.8993, 0.4322, 0.4950
Android (android.graphics.Color)	4294304768 (0xFFFF5E400)
YUV	207.0910, -102.0959, 33.2462
Hunter-Lab	86.5444, -16.5643, 53.0382

Details

The XYZ color **65.3996, 74.8993, 11.0101** 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 **16.6825, 6.9944, 86.8563**, and the grayscale version is **59.9711, 63.0943, 68.7097**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **34.7107, 40.0775, 5.9063** is the 20% darker color. If you saturate the color by 10%, you get **65.4005, 74.9016, 11.0105**, and if you desaturate by 10%, it is **66.0414, 75.9107, 12.0649**.

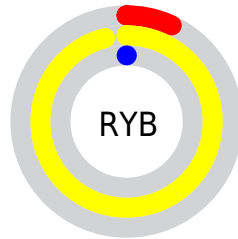
Distribution



Red (96%)

Green (89%)

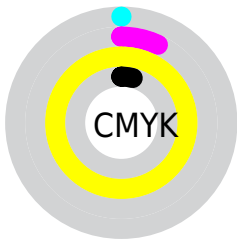
Blue (0%)



Red (7%)

Yellow (96%)

Blue (0%)

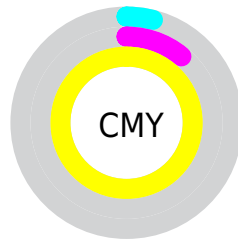


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3996, 74.8993, 11.0101 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 65.3996, 74.8993, 11.0101 by changing the saturation by 10% instead.


 65.3996, 74.8993,
11.0101


 65.3996, 74.8993,
11.0101


433.7491,
477.5714, 208.4768

 48.0511, 55.5304,
5.9594


 111.6867,
126.1698, 28.3158


 34.0788, 39.8265,
2.7520


 141.3559,
158.8402, 41.4078


 23.1173, 27.4033,
0.9694


 175.8628,
196.7132, 58.0174

 14.8013, 17.8764,
0.0000

 215.5727,
240.1732, 78.5630

 8.7655, 10.8613,
0.0000

 260.8509,
289.6047, 103.4632

 4.6444, 5.9736,
0.0000

 312.0628,

 2.0728, 2.8290,

345.3919, 133.1365

0.0000

369.5738,
407.9194, 168.0015

■ 0.6743, 1.0431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3996, 74.8993,
11.0101

■ 65.3996, 74.8993,
11.0101

■ 65.4005, 74.9016,
11.0105

■ 66.0414, 75.9107,
12.0649

■ 66.9005, 77.0135,
14.2483

■ 68.0449, 78.2378,
17.9112

■ 69.5144, 79.5996,
23.2636

71.3425, 81.1122,
30.4816

73.5586, 82.7875,
39.7194

76.1889, 84.6359,
51.1150

79.2572, 86.6671,
64.7944

82.7857, 88.8898,
80.8739

Harmonies

Analogous

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



88.0085, 74.8993, 13.0854



65.3996, 74.8993, 11.0101



48.2586, 74.8993, 18.7942

Triad

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



65.3996, 74.8993, 11.0101



42.9887, 74.8993, 180.7730



117.7541, 74.8993, 135.0649

Complementary

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



65.3996, 74.8993, 11.0101



16.6825, 6.9944, 86.8563

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.



100.4307, 74.8993, 217.5586



65.3996, 74.8993, 11.0101



56.6627, 74.8993, 252.0362

Square

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



65.3996, 74.8993, 11.0101



37.1645, 74.8993, 99.8218



77.3115, 74.8993, 268.1454



121.4232, 74.8993, 65.6606

Rectangle

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



65.3996, 74.8993, 11.0101



41.1265, 74.8993, 33.0949



77.3115, 74.8993, 268.1454



113.1859, 74.8993, 162.9972

Sweetspot

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



65.4013, 74.9029, 11.0116



83.4166, 92.6753, 55.8748



37.7865, 19.4651, 2.4484



17.5822, 19.6483, 10.7689



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.



65.4013, 74.9029, 11.0116



71.6145, 82.0090, 12.0548



43.9678, 71.1377, 11.4145



17.8105, 19.1052, 17.5465



35.2753, 40.4362, 5.9458



3.1294, 3.6119, 0.5322

Inverse Universe

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



16.6825, 6.9944, 86.8563



18.2613, 7.6426, 95.1204



21.9727, 9.4239, 87.0464



15.6735, 16.1112, 20.8263



9.0217, 3.8372, 46.8032



0.8245, 0.4005, 4.1241

Previews

White Background



This preview shows how the XYZ color 65.3996, 74.8993, 11.0101 looks on a white background.

Color Contrast Check

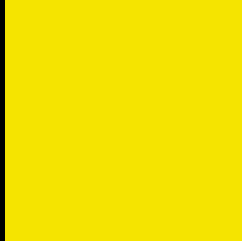
Large Text (above 18pt) WCAG AA × Fail

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 65.3996, 74.8993, 11.0101 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 65.3996, 74.8993, 11.0101

Background



This preview shows how black text looks on a background with the XYZ color 65.3996, 74.8993, 11.0101.

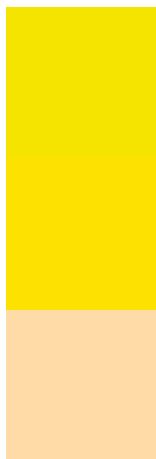


This preview shows how white text looks on a background with the XYZ color 65.3996, 74.8993,

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

65.3996, 74.8993, 11.0101

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

73.5466, 74.7131, 47.1040



Tritanopia

79.0378, 74.4499, 83.6033

Trichromacy



Original Color

65.3996, 74.8993, 11.0101

Protanomaly

66.6207, 74.7167, 10.9105



Deuteranomaly

68.5065, 73.7924, 24.2683



Tritanomaly

69.9659, 72.6964, 37.1323

Monochromacy



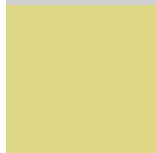
Original Color

65.3996, 74.8993, 11.0101



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

58.2841, 65.6390, 31.4275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3996, 74.8993, 11.0101 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(245, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 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(245, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 0) }
```

Border

The CSS property to change the border of an element to XYZ 65.3996, 74.8993, 11.0101 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(245, 228, 0) }
```


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

```
.border{ border-color:rgb(245, 228, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 228, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3996, 74.8993, 11.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 0) }
```

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

```
.background{ background-color: rgb(245,  
228, 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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