

Converting Colors

XYZ(65.6734, 74.9035, 11.2580)

Have a look what the booklet for
XYZ(65.6734, 74.9035, 11.2580)
contains.

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Color

**XYZ(65.7987, 75.0994,
11.2861)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E409
RGB	246, 228, 9
RGB Percent	96%, 89%, 4%
CMY	0.0353, 0.1059, 0.9646
CMYK	0.00, 0.07, 0.96, 0.04
HSL	55°, 93%, 50%
HSV	55°, 96%, 96%
XYZ	65.7987, 75.0994, 11.2861
YIQ	208.4160, 81.0270, -64.2930

Conversions

Conversions Part 2

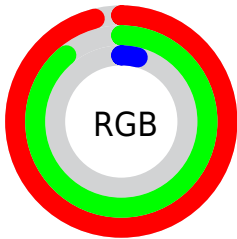
Format	Color
R _Y B	28, 246, 9
Decimal	16180233
CIE Lab	89.44, -12.17, 87.84
CIE LCh	89, 88.682, 97.886
Yxy	75.0994, 0.4324, 0.4935
Android (android.graphics.Color)	4294370313 (0xFF6E409)
YUV	208.4160, -98.3121, 32.9612
Hunter-Lab	86.6599, -16.1243, 52.9403

Details

The XYZ color **65.7987, 75.0994, 11.2861** 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 **17.1399, 7.4970, 87.7315**, and the grayscale version is **60.8106, 63.9775, 69.6715**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **34.9512, 40.2014, 5.9175** is the 20% darker color. If you saturate the color by 10%, you get **65.5626, 74.7066, 10.9643**, and if you desaturate by 10%, it is **66.5510, 76.2299, 12.6918**.

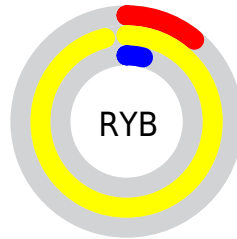
Distribution



Red (96%)

Green (89%)

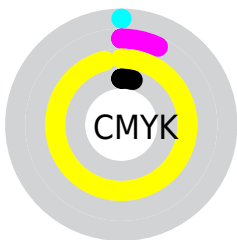
Blue (4%)



Red (11%)

Yellow (96%)

Blue (4%)

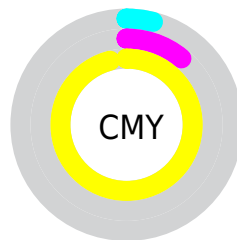


Cyan (0%)

Magenta (7%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (11%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7987, 75.0994, 11.2861 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 65.7987, 75.0994, 11.2861 by changing the saturation by 10% instead.

65.7987, 75.0994,
11.2861

65.7987, 75.0994,
11.2861

435.1566,
478.2592, 210.4274

48.3761, 55.6943,
6.1430

112.2567,
126.4531, 28.8327

34.3373, 39.9579,
2.8621

142.0228,
159.1704, 42.0733

23.3170, 27.5057,
1.0246

176.6342,
197.0940, 58.8502

14.9497, 17.9534,
0.0000

216.4561,
240.6082, 79.5819

8.8702, 10.9165,
0.0000

261.8539,
290.0975, 104.6869

4.7130, 6.0107,
0.0000

313.1931,

2.1129, 2.8516,

345.9461, 134.5838

0.0000

370.8388,
408.5385, 169.6911

■ 0.6962, 1.0548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7987, 75.0994,
11.2861

■ 65.7987, 75.0994,
11.2861

■ 65.5626, 74.7066,
10.9643

■ 66.5510, 76.2299,
12.6918

■ 67.5594, 77.4688,
15.4261

■ 68.8724, 78.8384,
19.7368

■ 70.5275, 80.3539,
25.8217

■ 72.5570, 82.0282,
33.8496

■ 74.9890, 83.8724,
43.9697

■ 77.8491, 85.8970,
56.3167

■ 81.1609, 88.1113,
71.0139

■ 84.9461, 90.5240,
88.1757

Harmonies

Analogous

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



88.2931, 75.0994, 13.4614



65.7987, 75.0994, 11.2861



48.6719, 75.0994, 19.0201

Triad

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



65.7987, 75.0994, 11.2861



43.2199, 75.0994, 179.4712



117.5103, 75.0994, 135.5982

Complementary

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



65.7987, 75.0994, 11.2861



17.1399, 7.4970, 87.7315

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.



100.2371, 75.0994, 217.2450



65.7987, 75.0994, 11.2861



56.7772, 75.0994, 250.2877

Square

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



65.7987, 75.0994, 11.2861



37.4747, 75.0994, 99.3133



77.2677, 75.0994, 266.8104



121.2845, 75.0994, 66.4256

Rectangle

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



65.7987, 75.0994, 11.2861



41.5153, 75.0994, 33.2259



77.2677, 75.0994, 266.8104



112.9426, 75.0994, 163.3097

Sweetspot

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



65.8004, 75.1030, 11.2876



83.5805, 92.5880, 57.2091



38.3227, 19.8763, 2.9648



17.6052, 19.6165, 11.0168



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.



65.8004, 75.1030, 11.2876



71.1316, 81.0431, 11.8939



45.0846, 72.1580, 11.8110



17.8007, 19.0855, 17.5432



35.0418, 39.9692, 5.8679



3.1113, 3.5758, 0.5262

Inverse Universe

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



17.1399, 7.4970, 87.7315



18.2890, 7.6981, 95.1297



22.8885, 10.0234, 87.9162



15.6822, 16.1287, 20.8292



9.0377, 3.8692, 46.8085



0.8287, 0.4088, 4.1255

Previews

White Background



This preview shows how the XYZ color 65.7987, 75.0994, 11.2861 looks on a white background.

Color Contrast Check

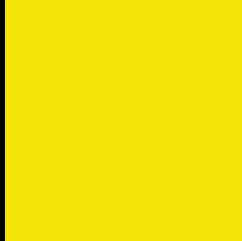
Large Text (above 18pt) WCAG AA × Fail

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 65.7987, 75.0994, 11.2861 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 65.7987, 75.0994, 11.2861

Background



This preview shows how black text looks on a background with the XYZ color 65.7987, 75.0994, 11.2861.

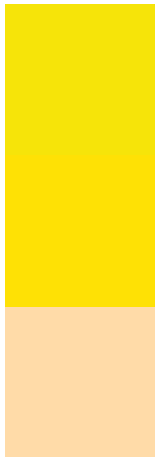


This preview shows how white text looks on a background with the XYZ color 65.7987, 75.0994,

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

65.7987, 75.0994, 11.2861

Protanopia

67.8257, 74.9322, 11.0321

Deuteranopia

73.6394, 74.7502, 47.5928



Tritanopia

79.2902, 74.9546, 83.6874

Trichromacy



Original Color

65.7987, 75.0994, 11.2861

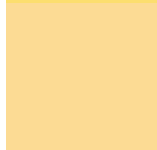
Protanomaly

67.0129, 74.9151, 11.1004



Deuteranomaly

69.0806, 74.0638, 25.4067



Tritanomaly

70.8217, 73.4966, 38.4705

Monochromacy



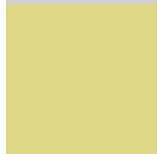
Original Color

65.7987, 75.0994, 11.2861



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

58.8686, 65.9080, 32.9114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7987, 75.0994, 11.2861 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(246, 228, 9)` looks like.

```
.text, #text, p{  
    color:rgb(246, 228, 9)  
}
```

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(246, 228, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 228, 9) }
```

Border

The CSS property to change the border of an element to XYZ 65.7987, 75.0994, 11.2861 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(246, 228, 9) }
```


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

```
.border{ border-color:rgb(246, 228, 9) }
```

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

Here you see how a box with a 4 pixel rgb(246, 228, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 228, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 228, 9);  
box-shadow:4px 4px 4px 4px rgb(246, 228,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7987, 75.0994, 11.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 228, 9) }
```

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

```
.background{ background-color: rgb(246,  
228, 9) }
```

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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