

Converting Colors

XYZ(66.2275, 73.7667, 14.7508)

Have a look what the booklet for
XYZ(66.2275, 73.7667, 14.7508)
contains.

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Color

**XYZ(66.1308, 73.5733,
14.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E03A
RGB	248, 224, 58
RGB Percent	97%, 88%, 23%
CMY	0.0275, 0.1215, 0.7725
CMYK	0.00, 0.10, 0.77, 0.03
HSL	52°, 93%, 60%
HSV	52°, 77%, 97%
XYZ	66.1308, 73.5733, 14.7186
YIQ	212.2520, 67.5900, -46.5380

Conversions

Conversions Part 2

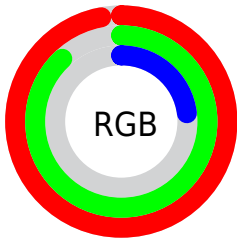
Format	Color
R_{YB}	85, 248, 58
Decimal	16310330
CIE _{Lab}	88.72, -8.33, 77.91
CIE _{LCh}	89, 78.352, 96.099
Yxy	73.5733, 0.4282, 0.4764
Android (android.graphics.Color)	4294500410 (0xFFFF8E03A)
YUV	212.2520, -76.0462, 31.3510
Hunter-Lab	85.7749, -12.4859, 49.8685

Details

The XYZ color **66.1308, 73.5733, 14.7186** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **21.7057, 13.7115, 90.3089**, and the grayscale version is **63.2080, 66.4997, 72.4182**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **34.6815, 38.9407, 5.6884** is the 20% darker color. If you saturate the color by 10%, you get **64.8120, 71.7142, 11.8803**, and if you desaturate by 10%, it is **67.7720, 75.5918, 19.1633**.

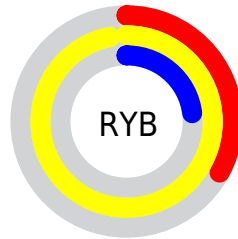
Distribution



Red (97%)

Green (88%)

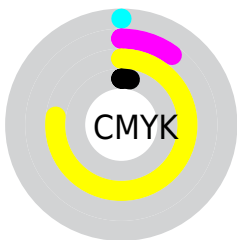
Blue (23%)



Red (33%)

Yellow (97%)

Blue (23%)

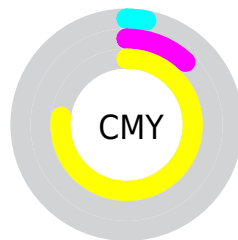


Cyan (0%)

Magenta (10%)

Yellow (77%)

Black (3%)



Cyan (3%)

Magenta (12%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1308, 73.5733, 14.7186 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 66.1308, 73.5733, 14.7186 by changing the saturation by 10% instead.

66.1308, 73.5733,
14.7186

66.1308, 73.5733,
14.7186

436.3258,
472.9994, 233.2384

48.6467, 54.4449,
8.4777

112.7307,
124.2907, 35.0941

34.5527, 38.9574,
4.3100

142.5773,
156.6485, 50.0657

23.4834, 26.7266,
1.7969

177.2753,
194.1849, 68.7847

15.0735, 17.3680,
0.4259

217.1902,
237.2843, 91.6695

8.9576, 10.4972,
0.0000

262.6874,
286.3310, 119.1388

4.7705, 5.7299,
0.0000

314.1321,

2.1466, 2.6815,

341.7095, 151.6110

0.0000

371.8898,
403.8042, 189.5047

■ 0.7144, 0.9678,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1308, 73.5733,
14.7186

■ 66.1308, 73.5733,
14.7186

■ 64.8120, 71.7142,
11.8803

■ 67.7720, 75.5918,
19.1633


■ 63.7620, 69.9845,
10.3891


■ 69.7691, 77.7748,
25.4127

■ 63.4420, 69.4180,
10.0553


■ 72.1567, 80.1391,
33.6413


■ 74.9639, 82.6964,
44.0018

 78.2170, 85.4574,
56.6319

 81.9399, 88.4318,
71.6577

 86.1549, 91.6286,
89.1962

 90.6556, 94.9653,
108.1598

 91.6320, 96.9182,
108.4853

Harmonies

Analogous

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



85.7450, 73.5733, 17.5865



66.1308, 73.5733, 14.7186



50.5930, 73.5733, 21.9353

Triad

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



66.1308, 73.5733, 14.7186



44.4394, 73.5733, 158.6066



108.7853, 73.5733, 130.2270

Complementary

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



66.1308, 73.5733, 14.7186



21.7057, 13.7115, 90.3089

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.



93.6541, 73.5733, 197.3768



66.1308, 73.5733, 14.7186



56.1887, 73.5733, 218.2899

Square

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



66.1308, 73.5733, 14.7186



39.6099, 73.5733, 91.7091



73.8704, 73.5733, 234.9938



112.7481, 73.5733, 69.5304

Rectangle

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



66.1308, 73.5733, 14.7186



43.8495, 73.5733, 34.8832



73.8704, 73.5733, 234.9938



104.7184, 73.5733, 153.4931

Sweetspot

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



66.1325, 73.5768, 14.7201



84.6863, 92.1467, 65.7563



41.7990, 23.6129, 10.6071



17.8320, 19.4836, 12.9003



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.



66.1325, 73.5768, 14.7201



68.3964, 75.3650, 11.6227



52.7682, 76.9446, 16.0745



18.5294, 19.7946, 18.3065



34.3437, 37.6441, 5.4559



3.2315, 3.5879, 0.5222

Inverse Universe

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



21.7057, 13.7115, 90.3089



19.4884, 9.6563, 95.4445



27.3092, 14.3677, 90.1402



16.4596, 16.9961, 21.7984



9.4759, 4.3074, 48.3055



0.9316, 0.5069, 4.4919

Previews

White Background



This preview shows how the XYZ color 66.1308, 73.5733, 14.7186 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 66.1308, 73.5733, 14.7186 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 66.1308, 73.5733, 14.7186

Background



This preview shows how black text looks on a background with the XYZ color 66.1308, 73.5733, 14.7186.



This preview shows how white text looks on a background with the XYZ color 66.1308, 73.5733,

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

66.1308, 73.5733, 14.7186

Protanopia

66.5757, 73.4048, 14.6626

Deuteranopia

72.5744, 73.4943, 44.5432



Tritanopia

78.1249, 73.2848, 81.2619

Trichromacy



Original Color

66.1308, 73.5733, 14.7186

Protanomaly

66.2183, 73.2206, 14.6459

Deuteranomaly

69.3762, 73.3371, 29.5677

Tritanomaly

71.4016, 72.4875, 45.3502

Monochromacy



Original Color

66.1308, 73.5733, 14.7186

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.6080, 67.5196, 41.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1308, 73.5733, 14.7186 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(248, 224, 58)` looks like.

```
.text, #text, p{  
    color:rgb(248, 224, 58)  
}
```

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(248, 224, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 224, 58) }
```

Border

The CSS property to change the border of an element to XYZ 66.1308, 73.5733, 14.7186 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(248, 224, 58) }
```


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

```
.border{ border-color:rgb(248, 224, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 224, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 224, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 224, 58);  
box-shadow:4px 4px 4px 4px rgb(248, 224,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1308, 73.5733, 14.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 224, 58) }
```

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

```
.background{ background-color: rgb(248,  
224, 58) }
```

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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