

Converting Colors

XYZ(65.0811, 67.9866, 12.8229)

Have a look what the booklet for
XYZ(65.0811, 67.9866, 12.8229)
contains.

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Color

**XYZ(65.1318, 68.0875,
12.8414)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD333
RGB	255, 211, 51
RGB Percent	100%, 83%, 20%
CMY	0.0000, 0.1725, 0.8000
CMYK	0.00, 0.17, 0.80, 0.00
HSL	47°, 100%, 60%
HSV	47°, 80%, 100%
XYZ	65.1318, 68.0875, 12.8414
YIQ	205.9160, 77.5840, -40.4320

Conversions

Conversions Part 2

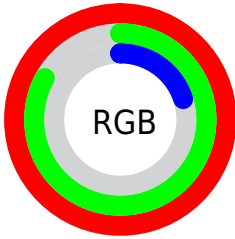
Format	Color
RYB	107, 255, 51
Decimal	16765747
CIELab	86.05, 0.94, 77.87
CIElCh	86, 77.874, 89.307
Yxy	68.0875, 0.4459, 0.4662
Android (android.graphics.Color)	4294955827 (0xFFFFD333)
YUV	205.9160, -76.3736, 43.0467
Hunter-Lab	82.5152, -3.5059, 48.5336

Details

The XYZ color **65.1318, 68.0875, 12.8414** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **23.5076, 16.1083, 96.4773**, and the grayscale version is **59.0531, 62.1284, 67.6579**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **34.3051, 35.5833, 5.0602** is the 20% darker color. If you saturate the color by 10%, you get **63.3736, 65.2381, 10.2007**, and if you desaturate by 10%, it is **67.2476, 71.1601, 17.1212**.

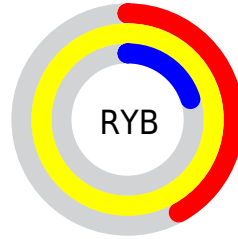
Distribution



Red (100%)

Green (83%)

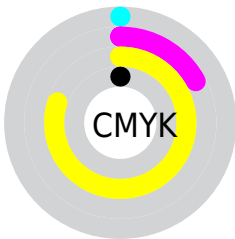
Blue (20%)



Red (42%)

Yellow (100%)

Blue (20%)

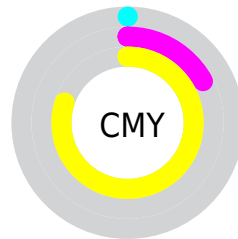


Cyan (0%)

Magenta (17%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1318, 68.0875, 12.8414 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 65.1318, 68.0875, 12.8414 by changing the saturation by 10% instead.


 65.1318, 68.0875,
12.8414

 65.1318, 68.0875,
12.8414


432.8032,
453.8060, 221.0707

 47.8331, 49.9689,
7.1900


 111.3040,
116.4773, 31.7056


 33.9054, 35.3887,
3.5010


 140.9081,
147.5173, 45.7554


 22.9835, 23.9625,
1.3558


 175.3448,
183.6333, 63.4417

 14.7019, 15.3058,
0.1069

 214.9793,
225.2096, 85.1832

 8.6954, 9.0343,
0.0000

 260.1771,
272.6306, 111.3983

 4.5986, 4.7635,
0.0000

311.3034,

 2.0460, 2.1092,

326.2807, 142.5055

0.0000

368.7236,
386.5444, 178.9235

■ 0.6596, 0.6698,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1318, 68.0875,
12.8414

■ 65.1318, 68.0875,
12.8414

■ 63.3736, 65.2381,
10.2007

■ 67.2476, 71.1601,
17.1212

■ 61.8959, 62.5722,
8.8156

■ 69.7610, 74.4646,
23.2685

■ 61.8955, 62.5715,
8.8153

■ 72.7109, 78.0200,
31.4794

■ 76.1300, 81.8399,
41.9242

■ 80.0478, 85.9370,
54.7553

■ 84.4910, 90.3225,
70.1118

■ 89.4843, 95.0072,
88.1220

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



83.8928, 68.0875, 17.6178



65.1318, 68.0875, 12.8414



49.3067, 68.0875, 17.1649

Triad

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



65.1318, 68.0875, 12.8414



39.1320, 68.0875, 133.5117



98.9993, 68.0875, 136.5880

Complementary

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



65.1318, 68.0875, 12.8414



23.5076, 16.1083, 96.4773

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.



83.0395, 68.0875, 197.3645



65.1318, 68.0875, 12.8414



48.7084, 68.0875, 195.0860

Square

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



65.1318, 68.0875, 12.8414



36.0715, 68.0875, 72.9513



64.3002, 68.0875, 222.5527



105.5270, 68.0875, 75.3329

Rectangle

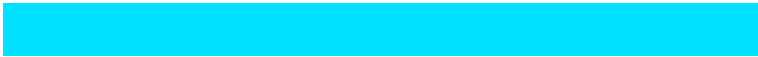
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.1318, 68.0875, 12.8414



41.9961, 68.0875, 26.6939



64.3002, 68.0875, 222.5527



94.4306, 68.0875, 158.6199

Sweetspot

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



65.1333, 68.0908, 12.8427



82.6483, 88.5324, 63.6537



44.4988, 24.4581, 13.2510



17.3546, 18.6169, 12.4692



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.



65.1333, 68.0908, 12.8427



62.4650, 63.6206, 9.2807



59.4362, 83.6561, 16.1474



19.2092, 20.3867, 19.0669



32.4560, 32.9232, 4.6442



3.2388, 3.3630, 0.4784

Inverse Universe

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



23.5076, 16.1083, 96.4773



19.9548, 10.8401, 95.6483



25.5167, 12.8271, 95.7381



17.3205, 18.0126, 22.8138



10.2329, 5.3754, 49.9328



1.0720, 0.6747, 4.8870

Previews

White Background



This preview shows how the XYZ color 65.1318, 68.0875, 12.8414 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 65.1318, 68.0875, 12.8414 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 65.1318, 68.0875, 12.8414

Background



This preview shows how black text looks on a background with the XYZ color 65.1318, 68.0875, 12.8414.



This preview shows how white text looks on a background with the XYZ color 65.1318, 68.0875,

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

65.1318, 68.0875, 12.8414

Protanopia

61.7936, 68.2369, 13.1630

Deuteranopia

68.0295, 68.0652, 31.7427



Tritanopia

74.1369, 67.8374, 72.1373

Trichromacy



Original Color

65.1318, 68.0875, 12.8414

Protanomaly

63.0242, 68.1152, 13.0746

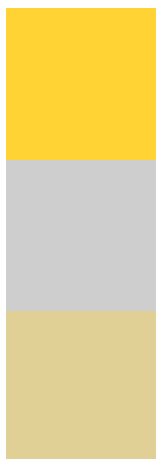
Deuteranomaly

66.4886, 67.8402, 22.4221

Tritanomaly

68.9041, 67.2557, 39.9219

Monochromacy



Original Color

65.1318, 68.0875, 12.8414

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.8014, 63.1611, 37.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1318, 68.0875, 12.8414 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(255, 211, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 51)  
}
```

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(255, 211, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 51) }
```

Border

The CSS property to change the border of an element to XYZ 65.1318, 68.0875, 12.8414 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(255, 211, 51) }
```


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

```
.border{ border-color:rgb(255, 211, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1318, 68.0875, 12.8414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 51) }
```

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

```
.background{ background-color: rgb(255,  
211, 51) }
```

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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