

Converting Colors

XYZ(63.8265, 65.4769, 12.4063)

Have a look what the booklet for
XYZ(63.8265, 65.4769, 12.4063)
contains.

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Color

**XYZ(63.9088, 65.6416,
12.4337)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE33
RGB	255, 206, 51
RGB Percent	100%, 81%, 20%
CMY	0.0000, 0.1921, 0.8000
CMYK	0.00, 0.19, 0.80, 0.00
HSL	46°, 100%, 60%
HSV	46°, 80%, 100%
XYZ	63.9088, 65.6416, 12.4337
YIQ	202.9810, 78.9590, -37.8170

Conversions

Conversions Part 2

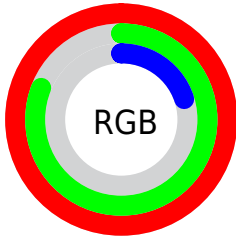
Format	Color
R_{YB}	115, 255, 51
Decimal	16764467
CIE _{Lab}	84.81, 3.50, 76.79
CIE _{LCh}	85, 76.865, 87.392
Yxy	65.6416, 0.4501, 0.4623
Android (android.graphics.Color)	4294954547 (0xFFFFCE33)
YUV	202.9810, -74.9266, 45.6207
Hunter-Lab	81.0195, -0.9820, 47.6147

Details

The XYZ color **63.9088, 65.6416, 12.4337** 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 **23.9724, 17.0380, 96.6321**, and the grayscale version is **57.1757, 60.1533, 65.5070**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.4764, 33.9258, 4.7839** is the 20% darker color. If you saturate the color by 10%, you get **62.0477, 62.5864, 9.7587**, and if you desaturate by 10%, it is **66.1381, 68.9412, 16.7513**.

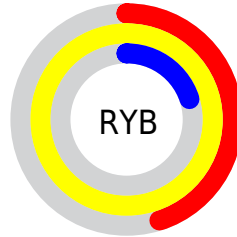
Distribution



Red (100%)

Green (81%)

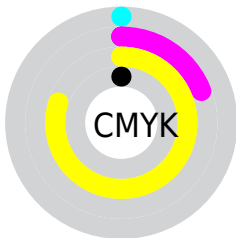
Blue (20%)



Red (45%)

Yellow (100%)

Blue (20%)

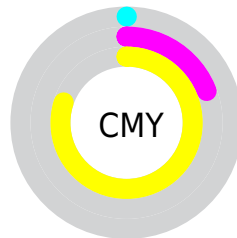


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9088, 65.6416, 12.4337 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 63.9088, 65.6416, 12.4337 by changing the saturation by 10% instead.


 63.9088, 65.6416,
12.4337

 63.9088, 65.6416,
12.4337


428.4677,
445.0940, 218.3346

 46.8382, 47.9815,
6.9137


 109.5541,
112.9718, 30.9587


 33.1152, 33.8123,
3.3305


 138.8594,
143.4107, 44.8007

 22.3744, 22.7494,
1.2658


 172.9738,
178.8779, 62.2539

 14.2504, 14.4086,
0.0335

 212.2625,
219.7580, 83.7366

 8.3779, 8.4054,
0.0000

 257.0909,
266.4353, 109.6675

 4.3915, 4.3554,
0.0000

307.8243,

 1.9259, 1.8743,

319.2941, 140.4651

0.0000

364.8281,
378.7189, 176.5479

■ 0.5918, 0.5329,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9088, 65.6416,
12.4337

■ 63.9088, 65.6416,
12.4337

■ 62.0477, 62.5864,
9.7587

■ 66.1381, 68.9412,
16.7513

■ 60.4777, 59.7360,
8.3429

■ 68.7759, 72.4946,
22.9400

■ 60.4774, 59.7352,
8.3426

■ 71.8613, 76.3209,
31.1959

■ 75.4271, 80.4343,
41.6895

■ 79.5030, 84.8477,
54.5733

■ 84.1159, 89.5727,
69.9863

■ 89.2907, 94.6202,
88.0569

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



81.9865, 65.6416, 17.6582



63.9088, 65.6416, 12.4337



48.3639, 65.6416, 16.0135

Triad

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



63.9088, 65.6416, 12.4337



37.3694, 65.6416, 124.5750



94.6423, 65.6416, 135.7128

Complementary

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



63.9088, 65.6416, 12.4337



23.9724, 17.0380, 96.6321

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.



78.8962, 65.6416, 193.0419



63.9088, 65.6416, 12.4337



46.1956, 65.6416, 184.7958

Square

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



63.9088, 65.6416, 12.4337



34.8165, 65.6416, 67.2449



60.8962, 65.6416, 214.1997



101.6529, 65.6416, 75.8738

Rectangle

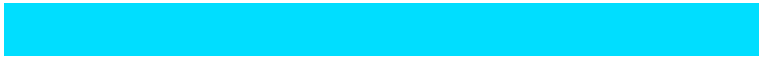
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.9088, 65.6416, 12.4337



41.0573, 65.6416, 24.5813



60.8962, 65.6416, 214.1997



90.0684, 65.6416, 156.7971

Sweetspot

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



63.9103, 65.6448, 12.4350



82.2042, 87.6441, 63.5056



44.8223, 24.5874, 14.9550



17.2466, 18.4010, 12.4332



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.



63.9103, 65.6448, 12.4350



61.0826, 60.8558, 8.8198



61.2595, 84.5960, 16.2326



19.1698, 20.3079, 19.0538



31.7229, 31.4570, 4.3998



3.1731, 3.2316, 0.4565

Inverse Universe

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



23.9724, 17.0380, 96.6321



20.3054, 11.5412, 95.7652



24.7140, 12.4132, 95.7004



17.3572, 18.0859, 22.8261



10.4058, 5.7213, 49.9905



1.0936, 0.7178, 4.8942

Previews

White Background



This preview shows how the XYZ color 63.9088, 65.6416, 12.4337 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 63.9088, 65.6416, 12.4337 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 63.9088, 65.6416, 12.4337

Background



This preview shows how black text looks on a background with the XYZ color 63.9088, 65.6416, 12.4337.



This preview shows how white text looks on a background with the XYZ color 63.9088, 65.6416,

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

63.9088, 65.6416, 12.4337

Protanopia

59.4460, 65.5212, 12.8819

Deuteranopia

66.0438, 65.7301, 26.0359



Tritanopia

72.5914, 65.7466, 68.5389

Trichromacy



Original Color

63.9088, 65.6416, 12.4337

Protanomaly

60.9747, 65.5742, 12.6922

Deuteranomaly

65.0471, 65.7130, 19.6114

Tritanomaly

67.4802, 64.8029, 38.2298

Monochromacy



Original Color

63.9088, 65.6416, 12.4337

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.0624, 60.8534, 36.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9088, 65.6416, 12.4337 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, 206, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 51) }
```

Border

The CSS property to change the border of an element to XYZ 63.9088, 65.6416, 12.4337 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, 206, 51) }
```


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

```
.border{ border-color:rgb(255, 206, 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, 206, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 206, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 206, 51); box-shadow:4px 4px 4px 4px rgb(255, 206, 51) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9088, 65.6416, 12.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 51) }
```

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

```
.background{ background-color: rgb(255,  
206, 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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