

Converting Colors

XYZ(65.7236, 69.7870, 11.4485)

Have a look what the booklet for
XYZ(65.7236, 69.7870, 11.4485)
contains.

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Color

**XYZ(65.8150, 69.9707,
11.4757)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD721
RGB	255, 215, 33
RGB Percent	100%, 84%, 13%
CMY	0.0000, 0.1568, 0.8705
CMYK	0.00, 0.16, 0.87, 0.00
HSL	49°, 100%, 56%
HSV	49°, 87%, 100%
XYZ	65.8150, 69.9707, 11.4757
YIQ	206.2120, 82.2620, -48.1220

Conversions

Conversions Part 2

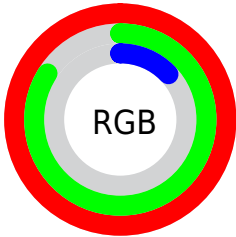
Format	Color
R _Y B	82, 255, 33
Decimal	16766753
CIE Lab	86.98, -1.54, 83.08
CIE LCh	87, 83.098, 91.062
Yxy	69.9707, 0.4469, 0.4751
Android (android.graphics.Color)	4294956833 (0xFFFFD721)
YUV	206.2120, -85.3935, 42.7871
Hunter-Lab	83.6485, -5.9403, 50.4200

Details

The XYZ color **65.8150, 69.9707, 11.4757** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **21.0602, 12.3090, 95.8730**, and the grayscale version is **59.2978, 62.3859, 67.9382**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **34.7372, 36.8272, 5.2775** is the 20% darker color. If you saturate the color by 10%, you get **64.4296, 67.5737, 9.8629**, and if you desaturate by 10%, it is **67.5051, 72.5477, 14.5166**.

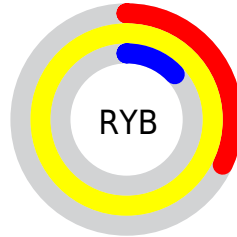
Distribution



Red (100%)

Green (84%)

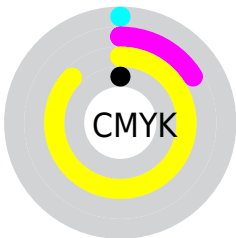
Blue (13%)



Red (32%)

Yellow (100%)

Blue (13%)

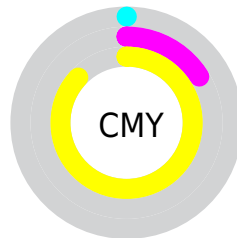


Cyan (0%)

Magenta (16%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8150, 69.9707, 11.4757 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 65.8150, 69.9707, 11.4757 by changing the saturation by 10% instead.


 65.8150, 69.9707,
11.4757

 65.8150, 69.9707,
11.4757


435.2140,
460.4471, 211.7559


 48.3894, 51.5026,
6.2696


 112.2800,
119.1670, 29.1865

 34.3479, 36.6088,
2.9383


 142.0500,
150.6640, 42.5283


 23.3251, 24.9047,
1.0632


 176.6656,
187.2728, 59.4190

 14.9558, 16.0061,
0.0000

 216.4921,
229.3777, 80.2772

 8.8745, 9.5285,
0.0000

 261.8949,
277.3632, 105.5215

 4.7158, 5.0875,
0.0000

 313.2392,

 2.1146, 2.2987,

331.6137, 135.5703

0.0000

370.8905,
392.5135, 170.8423

■ 0.6971, 0.7730,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8150, 69.9707,
11.4757

■ 65.8150, 69.9707,
11.4757

■ 64.4296, 67.5737,
9.8629


■ 67.5051, 72.5477,
14.5166


■ 64.0549, 66.8901,
9.5350


■ 69.5484, 75.3162,
19.2616


■ 71.9885, 78.2968,
25.9311

■ 74.8610, 81.5041,
34.7118

 78.1974, 84.9513,
45.7681

 82.0260, 88.6499,
59.2480

 86.3728, 92.6108,
75.2873

 91.2619, 96.8441,
94.0113

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



86.2637, 69.9707, 15.6806



65.8150, 69.9707, 11.4757



49.0350, 69.9707, 16.3821

Triad

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



65.8150, 69.9707, 11.4757



39.3670, 69.9707, 145.7791



104.8395, 69.9707, 140.5489

Complementary

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



65.8150, 69.9707, 11.4757



21.0602, 12.3090, 95.8730

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.



87.6980, 69.9707, 209.4593



65.8150, 69.9707, 11.4757



50.0204, 69.9707, 213.3754

Square

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



65.8150, 69.9707, 11.4757



35.7149, 69.9707, 78.1866



67.1999, 69.9707, 240.9870



111.2746, 69.9707, 74.2202

Rectangle

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



65.8150, 69.9707, 11.4757



41.4780, 69.9707, 26.7944



67.1999, 69.9707, 240.9870



99.9928, 69.9707, 165.1254

Sweetspot

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



65.8166, 69.9741, 11.4771



82.4600, 89.0556, 60.8169



43.0101, 22.8387, 8.5686



17.3497, 18.7791, 11.9374



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.



65.8166, 69.9741, 11.4771



64.0553, 66.8906, 9.5351



55.9704, 81.9068, 14.2993



19.2665, 20.5013, 19.0860



33.5712, 35.1535, 5.0159



3.3380, 3.5613, 0.5115

Inverse Universe

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



21.0602, 12.3090, 95.8730



19.0246, 9.1693, 95.3749



24.2229, 11.2100, 95.4942



17.2676, 17.9068, 22.7962



10.0166, 4.9428, 49.8607



1.0436, 0.6180, 4.8775

Previews

White Background



This preview shows how the XYZ color 65.8150, 69.9707, 11.4757 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 65.8150, 69.9707, 11.4757 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 65.8150, 69.9707, 11.4757

Background



This preview shows how black text looks on a background with the XYZ color 65.8150, 69.9707, 11.4757.



This preview shows how white text looks on a background with the XYZ color 65.8150, 69.9707,

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

65.8150, 69.9707, 11.4757

Protanopia

63.6263, 70.3714, 11.7429

Deuteranopia

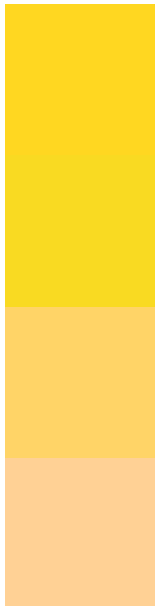
69.4922, 69.8317, 35.8028



Tritanopia

75.4660, 69.8805, 74.4765

Trichromacy



Original Color

65.8150, 69.9707, 11.4757

Protanomaly

64.4271, 70.3980, 11.7059

Deuteranomaly

67.2317, 69.3262, 22.6698

Tritanomaly

69.4653, 69.0309, 38.0968

Monochromacy



Original Color

65.8150, 69.9707, 11.4757

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.4989, 63.4314, 35.1469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8150, 69.9707, 11.4757 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, 215, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 33)  
}
```

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, 215, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 33) }
```

Border

The CSS property to change the border of an element to XYZ 65.8150, 69.9707, 11.4757 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, 215, 33) }
```


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

```
.border{ border-color:rgb(255, 215, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8150, 69.9707, 11.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 33) }
```

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

```
.background{ background-color: rgb(255,  
215, 33) }
```

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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