

Converting Colors

XYZ(66.8245, 72.1736, 11.2457)

Have a look what the booklet for
XYZ(66.8245, 72.1736, 11.2457)
contains.

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Color

**XYZ(66.7364, 71.9890,
11.2420)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB18
RGB	255, 219, 24
RGB Percent	100%, 86%, 9%
CMY	0.0000, 0.1411, 0.9058
CMYK	0.00, 0.14, 0.91, 0.00
HSL	51°, 100%, 55%
HSV	51°, 91%, 100%
XYZ	66.7364, 71.9890, 11.2420
YIQ	207.5340, 84.0510, -53.0130

Conversions

Conversions Part 2

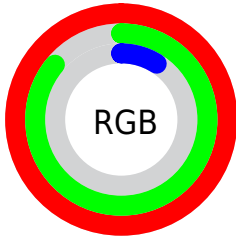
Format	Color
R _Y B	67, 255, 24
Decimal	16767768
CIE Lab	87.96, -3.71, 85.42
CIE LCh	88, 85.501, 92.489
Yxy	71.9890, 0.4450, 0.4800
Android (android.graphics.Color)	4294957848 (0xFFFFDB18)
YUV	207.5340, -90.4823, 41.6277
Hunter-Lab	84.8463, -8.0808, 51.5366

Details

The XYZ color **66.7364, 71.9890, 11.2420** 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 **20.0431, 10.6468, 95.6057**, and the grayscale version is **60.1841, 63.3183, 68.9537**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **35.4475, 38.2477, 5.5143** is the 20% darker color. If you saturate the color by 10%, you get **65.6076, 69.9957, 10.0526**, and if you desaturate by 10%, it is **68.1874, 74.2508, 13.7010**.

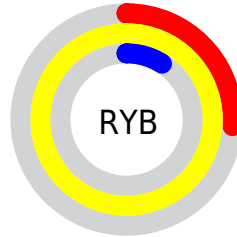
Distribution



Red (100%)

Green (86%)

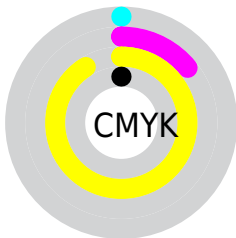
Blue (9%)



Red (26%)

Yellow (100%)

Blue (9%)

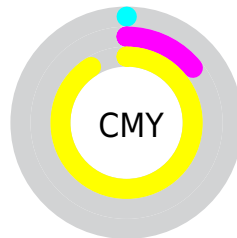


Cyan (0%)

Magenta (14%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7364, 71.9890, 11.2420 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 66.7364, 71.9890, 11.2420 by changing the saturation by 10% instead.


 66.7364, 71.9890,
11.2420

 66.7364, 71.9890,
11.2420


438.4531,
467.5033, 210.1171

 49.1403, 53.1497,
6.1136


 113.5945,
122.0409, 28.7503


 34.9458, 37.9223,
2.8444


 143.5873,
154.0223, 41.9672


 23.7875, 25.9224,
1.0157


 178.4430,
191.1531, 58.7175

 15.2999, 16.7656,
0.0000

 218.5270,
233.8178, 79.4196

 9.1178, 10.0675,
0.0000

 264.2046,
282.4008, 104.4921

 4.8758, 5.4437,
0.0000

 315.8413,

 2.2086, 2.5099,

337.2865, 134.3534

0.0000

373.8024,
398.8592, 169.4222

■ 0.7473, 0.8816,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7364, 71.9890,
11.2420

■ 66.7364, 71.9890,
11.2420

■ 65.6076, 69.9957,
10.0526

■ 68.1874, 74.2508,
13.7010

■ 69.9666, 76.6809,
17.7725

■ 72.1205, 79.3010,
23.6930

■ 74.6864, 82.1263,
31.6591

■ 77.6971, 85.1702,
41.8420

■ 81.1819, 88.4446,
54.3952

■ 85.1674, 91.9605,
69.4582

■ 89.6782, 95.7280,
87.1598

94.7373, 99.7564,
107.6201

Harmonies

Analogous

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



88.1560, 71.9890, 15.0524



66.7364, 71.9890, 11.2420



49.4682, 71.9890, 16.7328

Triad

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



66.7364, 71.9890, 11.2420



40.4189, 71.9890, 155.3894



109.3705, 71.9890, 142.4504

Complementary

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



66.7364, 71.9890, 11.2420



20.0431, 10.6468, 95.6057

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.



91.6907, 71.9890, 216.1694



66.7364, 71.9890, 11.2420



51.8797, 71.9890, 225.8922

Square

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



66.7364, 71.9890, 11.2420



36.2794, 71.9890, 83.3571



70.1386, 71.9890, 252.3327



115.4850, 71.9890, 73.6124

Rectangle

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



66.7364, 71.9890, 11.2420



41.8205, 71.9890, 28.0008



70.1386, 71.9890, 252.3327



104.4306, 71.9890, 168.4427

Sweetspot

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



66.7380, 71.9925, 11.2434



82.5514, 89.6766, 59.4964



42.4502, 22.2672, 6.6921



17.3898, 18.9431, 11.6925



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.



66.7380, 71.9925, 11.2434



65.6081, 69.9963, 10.0527



54.2858, 81.0509, 13.6482



19.3060, 20.5801, 19.0992



34.3723, 36.7558, 5.2830



3.4088, 3.7029, 0.5351

Inverse Universe

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



20.0431, 10.6468, 95.6057



18.7999, 8.7197, 95.3000



23.7447, 10.6411, 95.4095



17.2315, 17.8346, 22.7842



9.8908, 4.6911, 49.8188



1.0261, 0.5830, 4.8717

Previews

White Background



This preview shows how the XYZ color 66.7364, 71.9890, 11.2420 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 66.7364, 71.9890, 11.2420 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 66.7364, 71.9890, 11.2420

Background



This preview shows how black text looks on a background with the XYZ color 66.7364, 71.9890, 11.2420.



This preview shows how white text looks on a background with the XYZ color 66.7364, 71.9890,

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

66.7364, 71.9890, 11.2420

Protanopia

65.0988, 71.9228, 11.3711

Deuteranopia

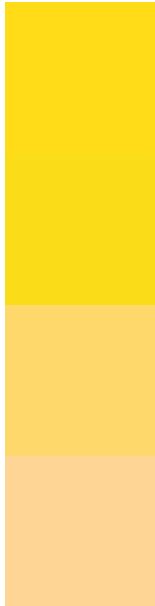
71.1193, 71.6862, 40.6603



Tritanopia

76.9587, 72.0282, 77.5568

Trichromacy



Original Color

66.7364, 71.9890, 11.2420

Protanomaly

65.5523, 71.7658, 11.3169

Deuteranomaly

68.4497, 71.4333, 24.0902

Tritanomaly

70.4591, 71.0184, 38.4281

Monochromacy



Original Color

66.7364, 71.9890, 11.2420

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.4025, 65.0176, 34.6181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7364, 71.9890, 11.2420 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, 219, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 24)  
}
```

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, 219, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 24) }
```

Border

The CSS property to change the border of an element to XYZ 66.7364, 71.9890, 11.2420 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, 219, 24) }
```


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

```
.border{ border-color:rgb(255, 219, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7364, 71.9890, 11.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 24) }
```

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

```
.background{ background-color: rgb(255,  
219, 24) }
```

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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