

Converting Colors

XYZ(66.4509, 71.4612, 11.0137)

Have a look what the booklet for
XYZ(66.4509, 71.4612, 11.0137)
contains.

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Color

**XYZ(66.4468, 71.4570,
10.9999)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA15
RGB	255, 218, 21
RGB Percent	100%, 85%, 8%
CMY	0.0000, 0.1451, 0.9176
CMYK	0.00, 0.15, 0.92, 0.00
HSL	51°, 100%, 54%
HSV	51°, 92%, 100%
XYZ	66.4468, 71.4570, 10.9999
YIQ	206.6050, 85.2890, -53.4230

Conversions

Conversions Part 2

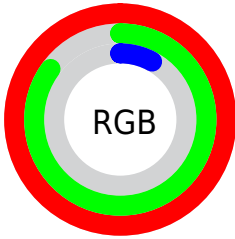
Format	Color
R _{YB}	65, 255, 21
Decimal	16767509
CIE _{Lab}	87.71, -3.25, 85.66
CIE _{LCh}	88, 85.718, 92.173
Y _{xy}	71.4570, 0.4462, 0.4799
Android (android.graphics.Color)	4294957589 (0xFFFFDA15)
YUV	206.6050, -91.5033, 42.4424
Hunter-Lab	84.5322, -7.6210, 51.4574

Details

The XYZ color **66.4468, 71.4570, 10.9999** 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 **19.8730, 10.4065, 95.5683**, and the grayscale version is **59.5884, 62.6916, 68.2712**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **35.2678, 37.8884, 5.4544** is the 20% darker color. If you saturate the color by 10%, you get **65.4598, 69.7001, 10.0034**, and if you desaturate by 10%, it is **67.8746, 73.7242, 13.2913**.

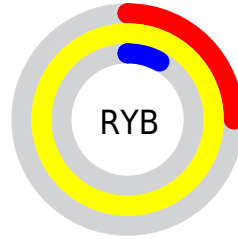
Distribution



Red (100%)

Green (85%)

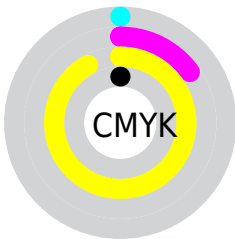
Blue (8%)



Red (25%)

Yellow (100%)

Blue (8%)

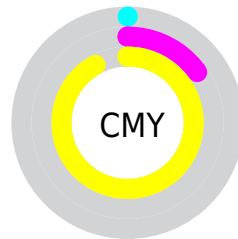


Cyan (0%)

Magenta (15%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4468, 71.4570, 10.9999 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 66.4468, 71.4570, 10.9999 by changing the saturation by 10% instead.

66.4468, 71.4570,
10.9999

66.4468, 71.4570,
10.9999

437.4366,
465.6494, 208.4043

48.9042, 52.7152,
5.9526

113.1816,
121.2842, 28.2966

34.7577, 37.5755,
2.7480

143.1045,
153.1384, 41.3831

23.6420, 25.6534,
0.9674

177.8848,
190.1323, 57.9865

15.1915, 16.5645,
0.0000

217.8881,
232.6501, 78.5252

9.0411, 9.9245,
0.0000

263.4795,
281.0764, 103.4177

4.8253, 5.3489,
0.0000

315.0245,

2.1788, 2.4534,

335.7954, 133.0828

0.0000

372.8884,
397.1916, 167.9388

■ 0.7316, 0.8532,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4468, 71.4570,
10.9999

■ 66.4468, 71.4570,
10.9999


■ 65.4598, 69.7001,
10.0034


■ 67.8746, 73.7242,
13.2913


■ 69.6253, 76.1587,
17.1641


■ 71.7466, 78.7827,
22.8610


■ 74.2765, 81.6117,
30.5820

 77.2484, 84.6592,
40.5011

 80.6917, 87.9374,
52.7733

 84.6335, 91.4573,
67.5398

 89.0986, 95.2292,
84.9306

 94.1100, 99.2624,
105.0665

Harmonies

Analogous

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



87.8375, 71.4570, 14.8717



66.4468, 71.4570, 10.9999



49.1649, 71.4570, 16.3247

Triad

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



66.4468, 71.4570, 10.9999



39.9236, 71.4570, 153.8921



108.6620, 71.4570, 142.5990

Complementary

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



66.4468, 71.4570, 10.9999



19.8730, 10.4065, 95.5683

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.



90.9192, 71.4570, 216.1513



66.4468, 71.4570, 10.9999



51.2631, 71.4570, 224.6462

Square

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



66.4468, 71.4570, 10.9999



35.8780, 71.4570, 82.1256



69.4102, 71.4570, 251.7416



114.9204, 71.4570, 73.6378

Rectangle

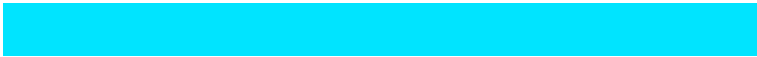
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.4468, 71.4570, 10.9999



41.4948, 71.4570, 27.3789



69.4102, 71.4570, 251.7416



103.6895, 71.4570, 168.5814

Sweetspot

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



66.4484, 71.4605, 11.0013



82.1139, 89.2320, 58.0235



42.3241, 22.1232, 6.3163



17.2277, 18.7819, 11.1356



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.



66.4484, 71.4605, 11.0013



65.4603, 69.7006, 10.0034



54.0278, 80.9214, 13.4821



19.3023, 20.5727, 19.0979



34.2961, 36.6033, 5.2576



3.4020, 3.6895, 0.5328

Inverse Universe

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



19.8730, 10.4065, 95.5683



18.8195, 8.7589, 95.3065



23.4651, 10.4101, 95.3796



17.2349, 17.8413, 22.7853



9.9018, 4.7132, 49.8224



1.0277, 0.5861, 4.8722

Previews

White Background



This preview shows how the XYZ color 66.4468, 71.4570, 10.9999 looks on a white background.

Color Contrast Check

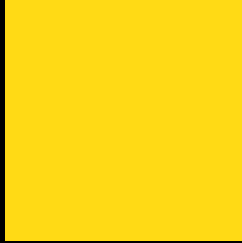
Large Text (above 18pt) WCAG AA × Fail

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 66.4468, 71.4570, 10.9999 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 66.4468, 71.4570, 10.9999

Background



This preview shows how black text looks on a background with the XYZ color 66.4468, 71.4570, 10.9999.



This preview shows how white text looks on a background with the XYZ color 66.4468, 71.4570,

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

66.4468, 71.4570, 10.9999

Protanopia

64.7127, 71.7273, 11.1931

Deuteranopia

70.8725, 71.5875, 39.3605



Tritanopia

76.5821, 71.4862, 76.7797

Trichromacy



Original Color

66.4468, 71.4570, 10.9999

Protanomaly

65.5217, 71.7536, 11.1555

Deuteranomaly

68.0391, 70.8604, 23.1881

Tritanomaly

70.0499, 70.4536, 37.5106

Monochromacy



Original Color

66.4468, 71.4570, 10.9999

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.6949, 64.2999, 33.7437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4468, 71.4570, 10.9999 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, 218, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 21)  
}
```

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, 218, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 21) }
```

Border

The CSS property to change the border of an element to XYZ 66.4468, 71.4570, 10.9999 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, 218, 21) }
```


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

```
.border{ border-color:rgb(255, 218, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4468, 71.4570, 10.9999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 21) }
```

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

```
.background{ background-color: rgb(255,  
218, 21) }
```

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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