

Converting Colors

XYZ(66.9994, 72.2921, 12.0168)

Have a look what the booklet for
XYZ(66.9994, 72.2921, 12.0168)
contains.

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Color

**XYZ(66.8749, 72.0444,
11.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB23
RGB	255, 219, 35
RGB Percent	100%, 86%, 14%
CMY	0.0000, 0.1411, 0.8627
CMYK	0.00, 0.14, 0.86, 0.00
HSL	50°, 100%, 57%
HSV	50°, 86%, 100%
XYZ	66.8749, 72.0444, 11.9714
YIQ	208.7880, 80.5200, -49.5920

Conversions

Conversions Part 2

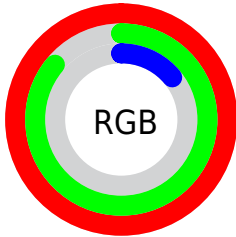
Format	Color
RYB	78, 255, 35
Decimal	16767779
CIELab	87.99, -3.52, 83.48
CIELCh	88, 83.554, 92.415
Yxy	72.0444, 0.4432, 0.4775
Android (android.graphics.Color)	4294957859 (0xFFFFDB23)
YUV	208.7880, -85.6775, 40.5279
Hunter-Lab	84.8790, -7.9007, 51.0530

Details

The XYZ color **66.8749, 72.0444, 11.9714** 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 **20.9968, 12.0843, 95.8329**, and the grayscale version is **60.9727, 64.1480, 69.8572**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **35.4475, 38.2477, 5.5143** is the 20% darker color. If you saturate the color by 10%, you get **65.5502, 69.7975, 10.2905**, and if you desaturate by 10%, it is **68.5044, 74.4625, 15.1083**.

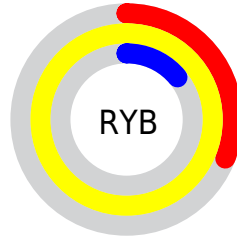
Distribution



Red (100%)

Green (86%)

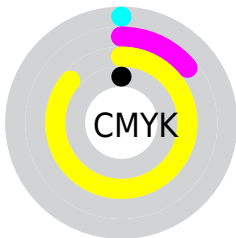
Blue (14%)



Red (31%)

Yellow (100%)

Blue (14%)

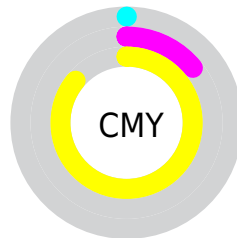


Cyan (0%)

Magenta (14%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8749, 72.0444, 11.9714 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 66.8749, 72.0444, 11.9714 by changing the saturation by 10% instead.


 66.8749, 72.0444,
11.9714

 66.8749, 72.0444,
11.9714


438.9388,
467.6961, 215.1870

 49.2533, 53.1949,
6.6019


 113.7919,
122.1197, 30.1066

 35.0358, 37.9584,
3.1398


 143.8181,
154.1142, 43.7094


 23.8571, 25.9504,
1.1664


 178.7097,
191.2593, 60.8938

 15.3518, 16.7866,
0.0000

 218.8323,
233.9393, 82.0781

 9.1546, 10.0824,
0.0000

 264.5512,
282.5386, 107.6811

 4.9001, 5.4536,
0.0000

 316.2316,

 2.2229, 2.5158,

337.4416, 138.1212

0.0000

374.2391,
399.0326, 173.8170

■ 0.7548, 0.8845,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8749, 72.0444,
11.9714

■ 66.8749, 72.0444,
11.9714

■ 65.5502, 69.7975,
10.2905


■ 68.5044, 74.4625,
15.1083


■ 65.1041, 68.9887,
9.8848


■ 70.4850, 77.0623,
19.9659


■ 72.8596, 79.8639,
26.7619

■ 75.6635, 82.8817,
35.6808

 78.9277, 86.1286,
46.8854

 82.6804, 89.6160,
60.5228

 86.9472, 93.3546,
76.7276

 91.7520, 97.3542,
95.6247

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.



87.7828, 72.0444, 15.8625



66.8749, 72.0444, 11.9714



49.9316, 72.0444, 17.5086

Triad

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



66.8749, 72.0444, 11.9714



40.9695, 72.0444, 153.1417



108.3330, 72.0444, 140.9747

Complementary

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



66.8749, 72.0444, 11.9714



20.9968, 12.0843, 95.8329

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.



91.1228, 72.0444, 212.2239



66.8749, 72.0444, 11.9714



52.2305, 72.0444, 221.3245

Square

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



66.8749, 72.0444, 11.9714



36.8998, 72.0444, 83.1572



70.1025, 72.0444, 246.9517



114.3034, 72.0444, 73.9125

Rectangle

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



66.8749, 72.0444, 11.9714



42.3922, 72.0444, 28.7647



70.1025, 72.0444, 246.9517



103.5252, 72.0444, 166.1499

Sweetspot

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



66.8765, 72.0479, 11.9728



82.7894, 89.7144, 60.9267



43.0002, 22.9262, 8.2344



17.4289, 18.9375, 11.9638



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.



66.8765, 72.0479, 11.9728



65.1046, 68.9892, 9.8849



55.2767, 81.5458, 14.4175



19.2933, 20.5548, 19.0949



34.1126, 36.2364, 5.1964



3.3859, 3.6571, 0.5274

Inverse Universe

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



20.9968, 12.0843, 95.8329



18.8681, 8.8562, 95.3227



24.8770, 11.6322, 95.5411



17.2430, 17.8577, 22.7880



9.9291, 4.7678, 49.8315



1.0315, 0.5938, 4.8735

Previews

White Background



This preview shows how the XYZ color 66.8749, 72.0444, 11.9714 looks on a white background.

Color Contrast Check

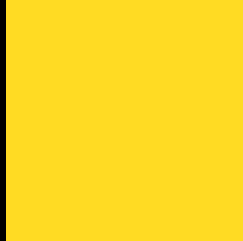
Large Text (above 18pt) WCAG AA × Fail

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 66.8749, 72.0444, 11.9714 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 66.8749, 72.0444, 11.9714

Background



This preview shows how black text looks on a background with the XYZ color 66.8749, 72.0444, 11.9714.



This preview shows how white text looks on a background with the XYZ color 66.8749, 72.0444,

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

66.8749, 72.0444, 11.9714

Protanopia

65.2418, 71.9800, 12.1240

Deuteranopia

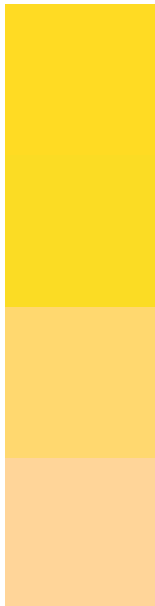
71.1193, 71.6862, 40.6603



Tritanopia

76.9587, 72.0282, 77.5568

Trichromacy



Original Color

66.8749, 72.0444, 11.9714

Protanomaly

65.6953, 71.8230, 12.0698

Deuteranomaly

68.6651, 71.5194, 25.2245

Tritanomaly

70.7840, 71.1484, 40.1393

Monochromacy



Original Color

66.8749, 72.0444, 11.9714

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

60.3466, 65.8326, 36.7205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8749, 72.0444, 11.9714 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 35) }
```

Border

The CSS property to change the border of an element to XYZ 66.8749, 72.0444, 11.9714 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, 35) }
```


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

```
.border{ border-color:rgb(255, 219, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8749, 72.0444, 11.9714 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, 35) }
```

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

```
.background{ background-color: rgb(255,  
219, 35) }
```

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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