

Converting Colors

XYZ(67.1236, 72.7377, 11.4504)

Have a look what the booklet for
XYZ(67.1236, 72.7377, 11.4504)
contains.

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Color

**XYZ(67.0197, 72.5210,
11.4429)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC1A
RGB	255, 220, 26
RGB Percent	100%, 86%, 10%
CMY	0.0000, 0.1372, 0.8980
CMYK	0.00, 0.14, 0.90, 0.00
HSL	51°, 100%, 55%
HSV	51°, 90%, 100%
XYZ	67.0197, 72.5210, 11.4429
YIQ	208.3490, 83.1340, -52.9140

Conversions

Conversions Part 2

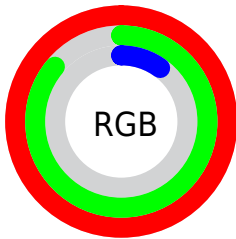
Format	Color
RYB	67, 255, 26
Decimal	16768026
CIELab	88.22, -4.19, 85.31
CIELCh	88, 85.408, 92.810
Yxy	72.5210, 0.4439, 0.4803
Android (android.graphics.Color)	4294958106 (0xFFFFDC1A)
YUV	208.3490, -89.8981, 40.9129
Hunter-Lab	85.1593, -8.5506, 51.6447

Details

The XYZ color **67.0197, 72.5210, 11.4429** 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 **20.1453, 10.7779, 95.6257**, and the grayscale version is **60.7115, 63.8732, 69.5579**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **35.4475, 38.2477, 5.5143** is the 20% darker color. If you saturate the color by 10%, you get **65.8266, 70.4291, 10.1395**, and if you desaturate by 10%, it is **68.4784, 74.7630, 14.0132**.

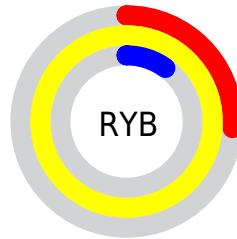
Distribution



Red (100%)

Green (86%)

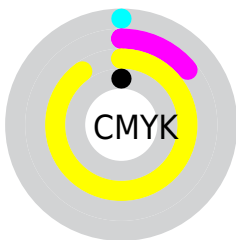
Blue (10%)



Red (26%)

Yellow (100%)

Blue (10%)

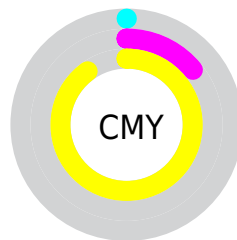


Cyan (0%)

Magenta (14%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0197, 72.5210, 11.4429 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 67.0197, 72.5210, 11.4429 by changing the saturation by 10% instead.

67.0197, 72.5210,
11.4429

67.0197, 72.5210,
11.4429

439.4463,
469.3530, 211.5267

49.3714, 53.5844,
6.2477

113.9983,
122.7970, 29.1254

35.1299, 38.2695,
2.9250

144.0593,
154.9051, 42.4497

23.9300, 26.1919,
1.0565

178.9885,
192.1725, 59.3208

15.4061, 16.9673,
0.0000

219.1514,
234.9837, 80.1572

9.1931, 10.2112,
0.0000

264.9133,
283.7229, 105.3774

4.9255, 5.5392,
0.0000

316.6394,

2.2379, 2.5670,

338.7746, 135.4001

0.0000

374.6953,
400.5231, 170.6437

■ 0.7626, 0.9101,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0197, 72.5210,
11.4429

■ 67.0197, 72.5210,
11.4429

■ 65.8266, 70.4291,
10.1395


■ 68.4784, 74.7630,
14.0132


■ 65.8037, 70.3877,
10.1180


■ 70.2683, 77.1729,
18.2161


■ 72.4350, 79.7723,
24.2843

■ 75.0156, 82.5761,
32.4119

 78.0424, 85.5975,
42.7687

 81.5445, 88.8485,
55.5067

 85.5483, 92.3397,
70.7647

 90.0783, 96.0813,
88.6708

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.



88.5002, 72.5210, 15.1853



67.0197, 72.5210, 11.4429



49.7451, 72.5210, 17.0995

Triad

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



67.0197, 72.5210, 11.4429



40.8842, 72.5210, 157.0363



110.1477, 72.5210, 142.3978

Complementary

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



67.0197, 72.5210, 11.4429



20.1453, 10.7779, 95.6257

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.



92.5023, 72.5210, 216.4382



67.0197, 72.5210, 11.4429



52.4794, 72.5210, 227.4295

Square

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



67.0197, 72.5210, 11.4429



36.6456, 72.5210, 84.6121



70.8743, 72.5210, 253.2644



116.1264, 72.5210, 73.5712

Rectangle

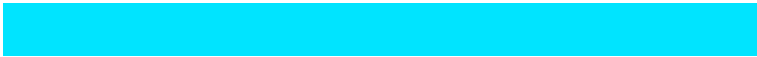
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0197, 72.5210, 11.4429



42.1132, 72.5210, 28.5841



70.8743, 72.5210, 253.2644



105.2325, 72.5210, 168.4513

Sweetspot

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



67.0213, 72.5245, 11.4443



82.6138, 89.8014, 59.5172



42.5399, 22.3715, 6.9532



17.4048, 18.9730, 11.6975



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.



67.0213, 72.5245, 11.4443



65.8041, 70.3882, 10.1180



54.4608, 81.1387, 13.7691



19.3108, 20.5899, 19.1008



34.4734, 36.9580, 5.3167



3.4177, 3.7207, 0.5380

Inverse Universe

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



20.1453, 10.7779, 95.6257



18.7745, 8.6689, 95.2915



23.9380, 10.8042, 95.4309



17.2270, 17.8257, 22.7827



9.8764, 4.6624, 49.8140



1.0241, 0.5788, 4.8710

Previews

White Background



This preview shows how the XYZ color 67.0197, 72.5210, 11.4429 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 67.0197, 72.5210, 11.4429 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 67.0197, 72.5210, 11.4429

Background



This preview shows how black text looks on a background with the XYZ color 67.0197, 72.5210, 11.4429.



This preview shows how white text looks on a background with the XYZ color 67.0197, 72.5210,

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

67.0197, 72.5210, 11.4429

Protanopia

65.7434, 72.6457, 11.5939

Deuteranopia

71.5412, 72.2612, 41.6297



Tritanopia

77.3377, 72.5736, 78.3386

Trichromacy



Original Color

67.0197, 72.5210, 11.4429

Protanomaly

66.1992, 72.4875, 11.5393

Deuteranomaly

68.8132, 71.9898, 24.7366

Tritanomaly

70.7916, 71.5551, 38.9346

Monochromacy



Original Color

67.0197, 72.5210, 11.4429

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.4773, 65.0475, 35.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0197, 72.5210, 11.4429 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, 220, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 26)  
}
```

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, 220, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 26) }
```

Border

The CSS property to change the border of an element to XYZ 67.0197, 72.5210, 11.4429 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, 220, 26) }
```


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

```
.border{ border-color:rgb(255, 220, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0197, 72.5210, 11.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 26) }
```

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

```
.background{ background-color: rgb(255,  
220, 26) }
```

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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