

Converting Colors

XYZ(65.1952, 70.5538, 10.1821)

Have a look what the booklet for
XYZ(65.1952, 70.5538, 10.1821)
contains.

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Color

**XYZ(64.9577, 70.3212,
10.1497)**

Conversions

Conversions Part 1

Format	Color
Hex	FCD900
RGB	252, 217, 0
RGB Percent	99%, 85%, 0%
CMY	0.0118, 0.1490, 0.9999
CMYK	0.00, 0.14, 1.00, 0.01
HSL	52°, 100%, 49%
HSV	52°, 100%, 99%
XYZ	64.9577, 70.3212, 10.1497
YIQ	202.7270, 90.5170, -60.0670

Conversions

Conversions Part 2

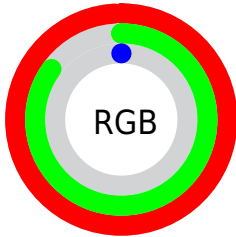
Format	Color
R _Y B	41, 252, 0
Decimal	16570624
CIE Lab	87.15, -4.21, 87.17
CIE LCh	87, 87.270, 92.765
Yxy	70.3212, 0.4467, 0.4835
Android (android.graphics.Color)	4294760704 (0xFFFC900)
YUV	202.7270, -99.9444, 43.2124
Hunter-Lab	83.8577, -8.4818, 51.5243

Details

The XYZ color **64.9577, 70.3212, 10.1497** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **18.1725, 8.2316, 92.7256**, and the grayscale version is **57.1646, 60.1416, 65.4942**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **34.3324, 37.1415, 5.3595** is the 20% darker color. If you saturate the color by 10%, you get **64.9581, 70.3225, 10.1499**, and if you desaturate by 10%, it is **66.0488, 72.2191, 11.3912**.

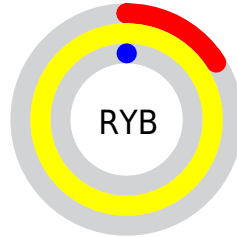
Distribution



Red (99%)

Green (85%)

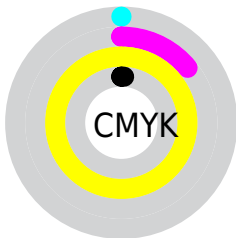
Blue (0%)



Red (16%)

Yellow (99%)

Blue (0%)

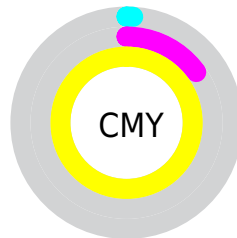


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9577, 70.3212, 10.1497 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 64.9577, 70.3212, 10.1497 by changing the saturation by 10% instead.

64.9577, 70.3212,
10.1497

64.9577, 70.3212,
10.1497

432.1876,
461.6770, 202.2607

47.6914, 51.7884,
5.3914

111.0551,
119.6667, 26.6889

33.7928, 36.8365,
2.4160

140.6168,
151.2482, 39.3069

22.8966, 25.0809,
0.7951

175.0078,
187.9481, 55.3819

14.6374, 16.1373,
0.0000

214.5932,
230.1508, 75.3324

8.6500, 9.6214,
0.0000

259.7386,
278.2406, 99.5770

4.5689, 5.1487,
0.0000

310.8092,

2.0287, 2.3347,

332.6020, 128.5342

0.0000

368.1704,
393.6193, 162.6226

■ 0.6500, 0.7920,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9577, 70.3212,
10.1497

■ 64.9577, 70.3212,
10.1497

■ 64.9581, 70.3225,
10.1499

■ 66.0488, 72.2191,
11.3912

■ 67.3868, 74.2438,
13.8451

■ 69.0437, 76.4271,
17.8827

■ 71.0624, 78.7862,
23.7296

■ 73.4789, 81.3358,
31.5746

■ 76.3247, 84.0887,
41.5831

■ 79.6280, 87.0562,
53.9030

■ 83.4145, 90.2489,
68.6693

■ 87.7081, 93.6764,
86.0066

Harmonies

Analogous

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



86.5156, 70.3212, 13.7156



64.9577, 70.3212, 10.1497



47.7213, 70.3212, 15.5168

Triad

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



64.9577, 70.3212, 10.1497



38.9053, 70.3212, 155.2001



108.2933, 70.3212, 140.6008

Complementary

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



64.9577, 70.3212, 10.1497



18.1725, 8.2316, 92.7256

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.



90.4800, 70.3212, 215.8356



64.9577, 70.3212, 10.1497



50.3965, 70.3212, 226.8677

Square

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



64.9577, 70.3212, 10.1497



34.7309, 70.3212, 82.1344



68.7546, 70.3212, 253.3431



114.3589, 70.3212, 71.2586

Rectangle

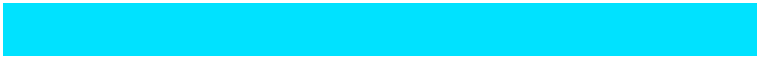
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.9577, 70.3212, 10.1497



40.1458, 70.3212, 26.6120



68.7546, 70.3212, 253.3431



103.3234, 70.3212, 167.0231

Sweetspot

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



64.9593, 70.3246, 10.1511



81.7902, 89.4225, 55.3326



40.4918, 20.8346, 3.7062



17.1875, 18.8590, 10.6373



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.



64.9593, 70.3246, 10.1511



66.7250, 72.2301, 10.4250



50.0807, 77.4924, 12.3188



18.5098, 19.7555, 18.3000



33.9196, 36.7958, 5.3145



3.1963, 3.5175, 0.5105

Inverse Universe

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



18.1725, 8.2316, 92.7256



18.6632, 8.4465, 95.2544



21.6160, 9.1142, 92.7144



16.4774, 17.0316, 21.8043



9.5267, 4.4090, 48.3225



0.9400, 0.5236, 4.4947

Previews

White Background



This preview shows how the XYZ color 64.9577, 70.3212, 10.1497 looks on a white background.

Color Contrast Check

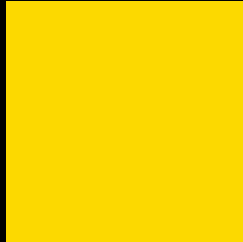
Large Text (above 18pt) WCAG AA × Fail

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 64.9577, 70.3212, 10.1497 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 64.9577, 70.3212, 10.1497

Background



This preview shows how black text looks on a background with the XYZ color 64.9577, 70.3212, 10.1497.



This preview shows how white text looks on a background with the XYZ color 64.9577, 70.3212,

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

64.9577, 70.3212, 10.1497

Protanopia

63.7276, 70.4525, 10.4409

Deuteranopia

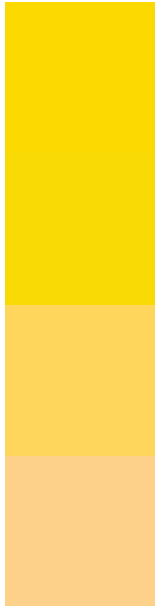
69.8943, 70.3913, 36.6911



Tritanopia

75.7262, 69.9846, 75.8468

Trichromacy



Original Color

64.9577, 70.3212, 10.1497

Protanomaly

64.1602, 70.2913, 10.3008

Deuteranomaly

66.8514, 69.9367, 20.1009

Tritanomaly

68.3337, 68.5358, 34.0533

Monochromacy



Original Color

64.9577, 70.3212, 10.1497

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

56.3371, 62.0689, 29.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9577, 70.3212, 10.1497 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(252, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 217, 0)  
}
```

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(252, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.9577, 70.3212, 10.1497 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(252, 217, 0) }
```


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

```
.border{ border-color:rgb(252, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 217,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9577, 70.3212, 10.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 217, 0) }
```

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

```
.background{ background-color: rgb(252,  
217, 0) }
```

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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