

Converting Colors

XYZ(66.1102, 71.0003, 10.2201)

Have a look what the booklet for
XYZ(66.1102, 71.0003, 10.2201)
contains.

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Color

**XYZ(66.0529, 70.8857,
10.2010)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD900
RGB	255, 217, 0
RGB Percent	100%, 85%, 0%
CMY	0.0000, 0.1490, 0.9999
CMYK	0.00, 0.15, 1.00, 0.00
HSL	51°, 100%, 50%
HSV	51°, 100%, 100%
XYZ	66.0529, 70.8857, 10.2010
YIQ	203.6240, 92.3050, -59.4310

Conversions

Conversions Part 2

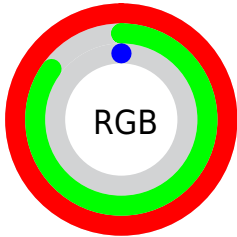
Format	Color
RYB	45, 255, 0
Decimal	16767232
CIELab	87.43, -2.93, 87.49
CIELCh	87, 87.540, 91.921
Yxy	70.8857, 0.4489, 0.4818
Android (android.graphics.Color)	4294957312 (0xFFFFD900)
YUV	203.6240, -100.3866, 45.0568
Hunter-Lab	84.1936, -7.2993, 51.7519

Details

The XYZ color **66.0529, 70.8857, 10.2010** 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 **18.7441, 8.6078, 95.2806**, and the grayscale version is **57.7337, 60.7404, 66.1463**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **35.0895, 37.5318, 5.3950** is the 20% darker color. If you saturate the color by 10%, you get **66.0532, 70.8867, 10.2011**, and if you desaturate by 10%, it is **67.2264, 72.9431, 11.4862**.

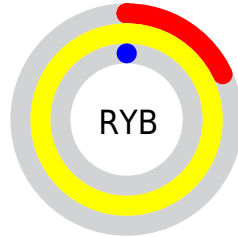
Distribution



Red (100%)

Green (85%)

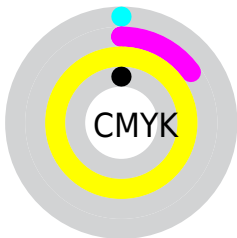
Blue (0%)



Red (18%)

Yellow (100%)

Blue (0%)

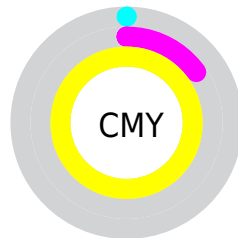


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.0529, 70.8857, 10.2010 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 66.0529, 70.8857, 10.2010 by changing the saturation by 10% instead.


 66.0529, 70.8857,
10.2010

 66.0529, 70.8857,
10.2010


436.0517,
463.6538, 202.6373

 48.5832, 52.2489,
5.4251


 112.6196,
120.4710, 26.7866


 34.5021, 37.2035,
2.4357


 142.4472,
152.1882, 39.4333


 23.4443, 25.3651,
0.8058


 177.1250,
189.0345, 55.5408

 15.0444, 16.3493,
0.0000

 217.0181,
231.3940, 75.5275

 8.9371, 9.7717,
0.0000

 262.4920,
279.6514, 99.8119

 4.7570, 5.2478,
0.0000

 313.9120,

 2.1387, 2.3934,

334.1908, 128.8127

0.0000

371.6434,
395.3968, 162.9483

■ 0.7101, 0.8225,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.0529, 70.8857,
10.2010

■ 66.0529, 70.8857,
10.2010

■ 66.0532, 70.8867,
10.2011

■ 67.2264, 72.9431,
11.4862

■ 68.6568, 75.1369,
14.0197

■ 70.4179, 77.4995,
18.1820

■ 72.5540, 80.0488,
24.2051

■ 75.1021, 82.8000,
32.2839

■ 78.0947, 85.7662,
42.5884

■ 81.5608, 88.9592,
55.2711

■ 85.5269, 92.3900,
70.4707

■ 90.0176, 96.0686,
88.3157

Harmonies

Analogous

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



87.8354, 70.8857, 14.0603



66.0529, 70.8857, 10.2010



48.4926, 70.8857, 15.3208

Triad

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



66.0529, 70.8857, 10.2010



38.9903, 70.8857, 154.2333



108.8093, 70.8857, 143.9972

Complementary

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



66.0529, 70.8857, 10.2010



18.7441, 8.6078, 95.2806

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.



90.6145, 70.8857, 219.4405



66.0529, 70.8857, 10.2010



50.3671, 70.8857, 227.1774

Square

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



66.0529, 70.8857, 10.2010



34.9835, 70.8857, 81.0562



68.7141, 70.8857, 255.6349



115.3350, 70.8857, 73.4342

Rectangle

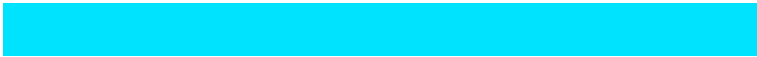
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.0529, 70.8857, 10.2010



40.7132, 70.8857, 26.1619



68.7141, 70.8857, 255.6349



103.6940, 70.8857, 170.6514

Sweetspot

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



66.0545, 70.8891, 10.2024



81.5569, 88.9559, 55.2549



41.5944, 21.4022, 3.7959



17.1311, 18.7460, 10.6185



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.



66.0545, 70.8891, 10.2024



66.0536, 70.8872, 10.2012



51.4356, 79.6007, 12.6544



19.3170, 20.6022, 19.1028



34.6020, 37.2153, 5.3595



3.4290, 3.7434, 0.5418

Inverse Universe

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



18.7441, 8.6078, 95.2806



18.7430, 8.6060, 95.2810



22.1959, 9.3578, 95.2435



17.2214, 17.8144, 22.7808



9.8587, 4.6269, 49.8081



1.0214, 0.5735, 4.8701

Previews

White Background



This preview shows how the XYZ color 66.0529, 70.8857, 10.2010 looks on a white background.

Color Contrast Check

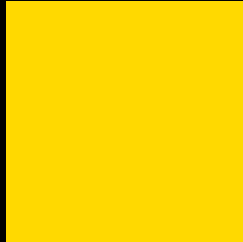
Large Text (above 18pt) WCAG AA × Fail

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 66.0529, 70.8857, 10.2010 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 66.0529, 70.8857, 10.2010

Background



This preview shows how black text looks on a background with the XYZ color 66.0529, 70.8857, 10.2010.



This preview shows how white text looks on a background with the XYZ color 66.0529, 70.8857,

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

66.0529, 70.8857, 10.2010

Protanopia

63.9948, 70.9781, 10.5570

Deuteranopia

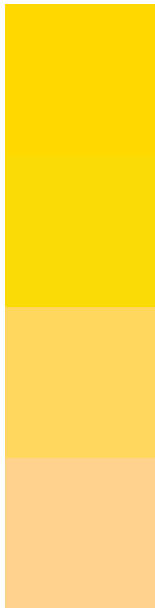
70.3795, 70.9866, 38.0094



Tritanopia

76.2077, 70.9476, 76.0073

Trichromacy



Original Color

66.0529, 70.8857, 10.2010

Protanomaly

64.7833, 70.9980, 10.4331

Deuteranomaly

67.3069, 70.1613, 20.5847

Tritanomaly

69.1945, 69.7126, 34.2350

Monochromacy



Original Color

66.0529, 70.8857, 10.2010

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.2612, 62.9006, 30.2421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0529, 70.8857, 10.2010 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, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 66.0529, 70.8857, 10.2010 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, 217, 0) }
```


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

```
.border{ border-color:rgb(255, 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(255, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0529, 70.8857, 10.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 0) }
```

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

```
.background{ background-color: rgb(255,  
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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