

Converting Colors

XYZ(68.9013, 74.1040, 4.2166)

Have a look what the booklet for
XYZ(68.9013, 74.1040, 4.2166)
contains.

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Color

**XYZ(67.0965, 72.9729,
10.5488)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD00
RGB	255, 221, 0
RGB Percent	100%, 87%, 0%
CMY	0.0000, 0.1333, 0.9999
CMYK	0.00, 0.13, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	67.0965, 72.9729, 10.5488
YIQ	205.9720, 91.2050, -61.5230

Conversions

Conversions Part 2

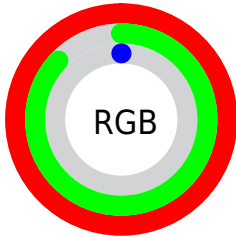
Format	Color
R _Y B	39, 255, 0
Decimal	16768256
CIE Lab	88.43, -4.95, 88.20
CIE LCh	88, 88.342, 93.211
Yxy	72.9729, 0.4455, 0.4845
Android (android.graphics.Color)	4294958336 (0xFFFFDD00)
YUV	205.9720, -101.5442, 42.9976
Hunter-Lab	85.4242, -9.2893, 52.4754

Details

The XYZ color **67.0965, 72.9729, 10.5488** 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 **18.6229, 8.3654, 95.2403**, and the grayscale version is **59.2411, 62.3263, 67.8733**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **35.6285, 38.6099, 5.5746** is the 20% darker color. If you saturate the color by 10%, you get **67.0970, 72.9743, 10.5491**, and if you desaturate by 10%, it is **68.1860, 74.8624, 11.8060**.

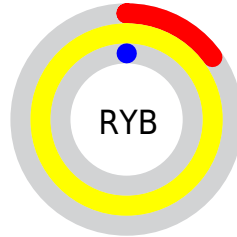
Distribution



Red (100%)

Green (87%)

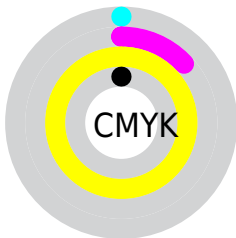
Blue (0%)



Red (15%)

Yellow (100%)

Blue (0%)

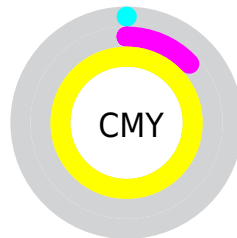


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0965, 72.9729, 10.5488 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 67.0965, 72.9729, 10.5488 by changing the saturation by 10% instead.

67.0965, 72.9729,
10.5488

67.0965, 72.9729,
10.5488

439.7153,
470.9209, 205.1704

49.4340, 53.9538,
5.6540

114.1077,
123.4387, 27.4465

35.1799, 38.5647,
2.5705

144.1872,
155.6543, 40.2865

23.9686, 26.4213,
0.8772

179.1363,
193.0374, 56.6120

15.4350, 17.1391,
0.0000

219.3206,
235.9725, 76.8415

9.2135, 10.3337,
0.0000

265.1052,
284.8440, 101.3935

4.9389, 5.6208,
0.0000

316.8557,

2.2459, 2.6159,

340.0363, 130.6867

0.0000

374.9372,
401.9338, 165.1394

■ 0.7667, 0.9347,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0965, 72.9729,
10.5488

■ 67.0965, 72.9729,
10.5488

■ 67.0970, 72.9743,
10.5491

■ 68.1860, 74.8624,
11.8060

■ 69.5280, 76.8793,
14.3100

■ 71.1962, 79.0561,
18.4412

■ 73.2349, 81.4107,
24.4318

■ 75.6810, 83.9580,
32.4765

■ 78.5671, 86.7111,
42.7454

■ 81.9220, 89.6819,
55.3909

■ 85.7724, 92.8811,
70.5519

■ 90.1425, 96.3186,
88.3566

Harmonies

Analogous

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



89.4392, 72.9729, 14.1062



67.0965, 72.9729, 10.5488



49.3105, 72.9729, 16.2780

Triad

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



67.0965, 72.9729, 10.5488



40.4963, 72.9729, 162.2648



112.5694, 72.9729, 144.6795

Complementary

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



67.0965, 72.9729, 10.5488



18.6229, 8.3654, 95.2403

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.



94.2149, 72.9729, 222.9611



67.0965, 72.9729, 10.5488



52.5338, 72.9729, 236.2478

Square

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



67.0965, 72.9729, 10.5488



36.0547, 72.9729, 86.1868



71.6709, 72.9729, 262.7565



118.6398, 72.9729, 73.0833

Rectangle

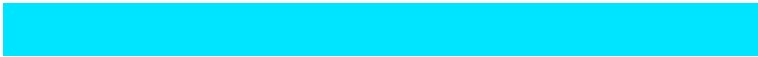
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0965, 72.9729, 10.5488



41.5266, 72.9729, 27.9810



71.6709, 72.9729, 262.7565



107.4698, 72.9729, 172.0860

Sweetspot

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



67.0981, 72.9764, 10.5502



81.9184, 89.6790, 55.3754



41.5291, 21.3761, 3.4525



17.2186, 18.9211, 10.6477



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.



67.0981, 72.9764, 10.5502



67.0974, 72.9748, 10.5491



50.5609, 79.1498, 12.6134



19.3425, 20.6532, 19.1113



35.1401, 38.2914, 5.5389



3.4763, 3.8379, 0.5576

Inverse Universe

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



18.6229, 8.3654, 95.2403



18.6219, 8.3639, 95.2406



22.6170, 9.5749, 95.2632



17.1982, 17.7680, 22.7731



9.7899, 4.4893, 49.7851



1.0106, 0.5518, 4.8665

Previews

White Background



This preview shows how the XYZ color 67.0965, 72.9729, 10.5488 looks on a white background.

Color Contrast Check

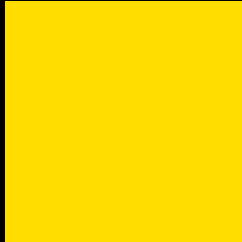
Large Text (above 18pt) WCAG AA × Fail

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 67.0965, 72.9729, 10.5488 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 67.0965, 72.9729, 10.5488

Background



This preview shows how black text looks on a background with the XYZ color 67.0965, 72.9729, 10.5488.



This preview shows how white text looks on a background with the XYZ color 67.0965, 72.9729,

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

67.0965, 72.9729, 10.5488

Protanopia

66.2042, 73.2977, 10.8308

Deuteranopia

71.9674, 72.8404, 42.6143



Tritanopia

77.7191, 73.1225, 79.1250

Trichromacy



Original Color

67.0965, 72.9729, 10.5488

Protanomaly

66.2881, 72.9468, 10.7012



Deuteranomaly

68.6604, 72.3424, 22.6566



Tritanomaly

70.3482, 71.7840, 35.3472

Monochromacy



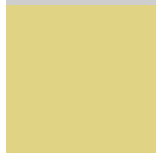
Original Color

67.0965, 72.9729, 10.5488



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

58.1315, 64.0745, 30.7765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0965, 72.9729, 10.5488 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, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.0965, 72.9729, 10.5488 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, 221, 0) }
```


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

```
.border{ border-color:rgb(255, 221, 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, 221, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0965, 72.9729, 10.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 0) }
```

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

```
.background{ background-color: rgb(255,  
221, 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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