

Converting Colors

XYZ(66.8929, 72.5658, 10.4810)

Have a look what the booklet for
XYZ(66.8929, 72.5658, 10.4810)
contains.

XYZ(66.8332, 72.4464, 10.4611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.8332, 72.4464,
10.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC00
RGB	255, 220, 0
RGB Percent	100%, 86%, 0%
CMY	0.0000, 0.1372, 0.9999
CMYK	0.00, 0.14, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	66.8332, 72.4464, 10.4611
YIQ	205.3850, 91.4800, -61.0000

Conversions

Conversions Part 2

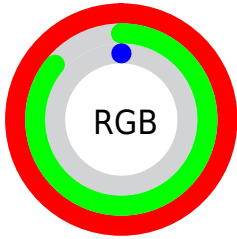
Format	Color
R _Y B	41, 255, 0
Decimal	16768000
CIE Lab	88.18, -4.45, 88.02
CIE LCh	88, 88.137, 92.891
Yxy	72.4464, 0.4463, 0.4838
Android (android.graphics.Color)	4294958080 (0xFFFFDC00)
YUV	205.3850, -101.2548, 43.5124
Hunter-Lab	85.1155, -8.7927, 52.2938

Details

The XYZ color **66.8332, 72.4464, 10.4611** 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 **18.6519, 8.4235, 95.2498**, and the grayscale version is **58.8622, 61.9276, 67.4392**.

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 **66.8336, 72.4476, 10.4613**, and if you desaturate by 10%, it is **67.9441, 74.3788, 11.7255**.

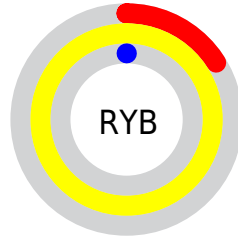
Distribution



Red (100%)

Green (86%)

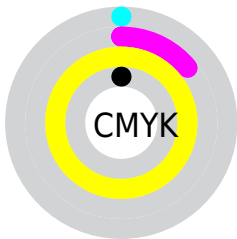
Blue (0%)



Red (16%)

Yellow (100%)

Blue (0%)

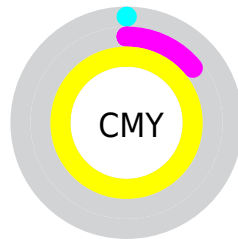


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8332, 72.4464, 10.4611 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 66.8332, 72.4464, 10.4611 by changing the saturation by 10% instead.


 66.8332, 72.4464,
10.4611

 66.8332, 72.4464,
10.4611


438.7926,
469.0939, 204.5350

 49.2193, 53.5234,
5.5962


 113.7325,
122.6910, 27.2805


 35.0087, 38.2208,
2.5363


 143.7486,
154.7814, 40.0720


 23.8361, 26.1541,
0.8593


 178.6294,
192.0297, 56.3429

 15.3362, 16.9389,
0.0000

 218.7404,
234.8203, 76.5115

 9.1435, 10.1910,
0.0000

 264.4468,
283.5376, 100.9965

 4.8928, 5.5258,
0.0000

 316.1141,

 2.2186, 2.5589,

338.5661, 130.2164

0.0000

374.1076,
400.2900, 164.5897

■ 0.7525, 0.9061,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8332, 72.4464,
10.4611

■ 66.8332, 72.4464,
10.4611

■ 66.8336, 72.4476,
10.4613

■ 67.9441, 74.3788,
11.7255

■ 69.3086, 76.4406,
14.2370

■ 71.0005, 78.6646,
18.3762

■ 73.0638, 81.0685,
24.3751

■ 75.5357, 83.6672,
32.4285

■ 78.4486, 86.4741,
42.7065

■ 81.8315, 89.5008,
55.3613

■ 85.7109, 92.7581,
70.5321

■ 90.1113, 96.2560,
88.3470

Harmonies

Analogous

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



89.0346, 72.4464, 14.0944



66.8332, 72.4464, 10.4611



49.1042, 72.4464, 16.0353

Triad

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



66.8332, 72.4464, 10.4611



40.1160, 72.4464, 160.2312



111.6202, 72.4464, 144.5046

Complementary

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



66.8332, 72.4464, 10.4611



18.6519, 8.4235, 95.2498

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.



93.3053, 72.4464, 222.0723



66.8332, 72.4464, 10.4611



51.9862, 72.4464, 233.9559

Square

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



66.8332, 72.4464, 10.4611



35.7845, 72.4464, 84.8850



70.9236, 72.4464, 260.9597



117.8060, 72.4464, 73.1685

Rectangle

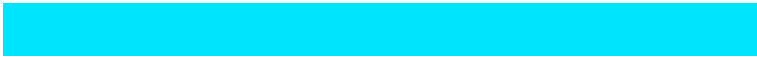
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8332, 72.4464, 10.4611



41.3216, 72.4464, 27.5190



70.9236, 72.4464, 260.9597



106.5164, 72.4464, 171.7220

Sweetspot

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



66.8348, 72.4499, 10.4625



81.8279, 89.4978, 55.3452



41.5943, 21.4022, 3.7959



17.1966, 18.8772, 10.6404



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.



66.8348, 72.4499, 10.4625



66.8341, 72.4482, 10.4614



51.4355, 79.6005, 12.6544



19.3361, 20.6405, 19.1092



35.0044, 38.0200, 5.4937



3.4644, 3.8141, 0.5536

Inverse Universe

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



18.6519, 8.4235, 95.2498



18.6509, 8.4219, 95.2503



22.1959, 9.3578, 95.2433



17.2040, 17.7796, 22.7750



9.8064, 4.5224, 49.7906



1.0133, 0.5573, 4.8674

Previews

White Background



This preview shows how the XYZ color 66.8332, 72.4464, 10.4611 looks on a white background.

Color Contrast Check

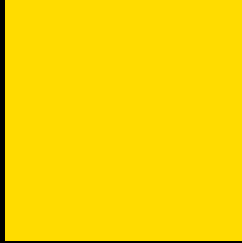
Large Text (above 18pt) WCAG AA × Fail

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 66.8332, 72.4464, 10.4611 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 66.8332, 72.4464, 10.4611

Background



This preview shows how black text looks on a background with the XYZ color 66.8332, 72.4464, 10.4611.

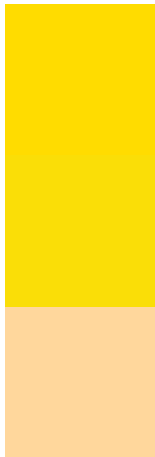


This preview shows how white text looks on a background with the XYZ color 66.8332, 72.4464,

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

66.8332, 72.4464, 10.4611

Protanopia

65.5840, 72.5819, 10.7541

Deuteranopia

71.5412, 72.2612, 41.6297



Tritanopia

77.3377, 72.5736, 78.3386

Trichromacy



Original Color

66.8332, 72.4464, 10.4611

Protanomaly

66.0232, 72.4171, 10.6130

Deuteranomaly

68.3050, 71.7866, 22.0605

Tritanomaly

70.0943, 71.2762, 35.2626

Monochromacy



Original Color

66.8332, 72.4464, 10.4611

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.5073, 63.3929, 30.3242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8332, 72.4464, 10.4611 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 0) }
```

Border

The CSS property to change the border of an element to XYZ 66.8332, 72.4464, 10.4611 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, 0) }
```


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

```
.border{ border-color:rgb(255, 220, 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, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8332, 72.4464, 10.4611 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, 0) }
```

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

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