

Converting Colors

XYZ(71.3591, 75.5439, 10.7311)

Have a look what the booklet for
XYZ(71.3591, 75.5439, 10.7311)
contains.

XYZ(67.3613, 73.5026, 10.6371)	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(67.3613, 73.5026,
10.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE00
RGB	255, 222, 0
RGB Percent	100%, 87%, 0%
CMY	0.0000, 0.1294, 0.9999
CMYK	0.00, 0.13, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	67.3613, 73.5026, 10.6371
YIQ	206.5590, 90.9300, -62.0460

Conversions

Conversions Part 2

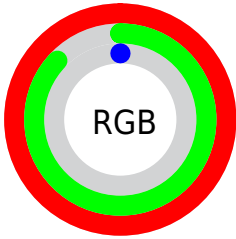
Format	Color
R _Y B	38, 255, 0
Decimal	16768512
CIE Lab	88.69, -5.45, 88.38
CIE LCh	89, 88.550, 93.528
Yxy	73.5026, 0.4446, 0.4852
Android (android.graphics.Color)	4294958592 (0xFFFFDE00)
YUV	206.5590, -101.8336, 42.4828
Hunter-Lab	85.7337, -9.7857, 52.6574

Details

The XYZ color **67.3613, 73.5026, 10.6371** 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 **18.5947, 8.3091, 95.2307**, and the grayscale version is **59.6216, 62.7266, 68.3093**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **35.8110, 38.9749, 5.6355** is the 20% darker color. If you saturate the color by 10%, you get **67.3618, 73.5040, 10.6374**, and if you desaturate by 10%, it is **68.4291, 75.3487, 11.8871**.

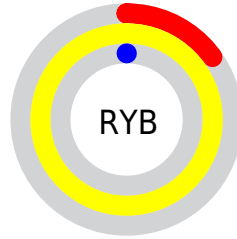
Distribution



Red (100%)

Green (87%)

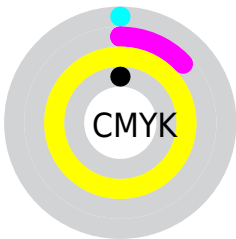
Blue (0%)



Red (15%)

Yellow (100%)

Blue (0%)

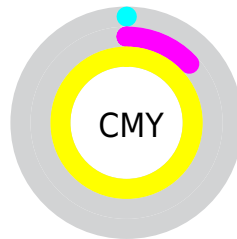


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3613, 73.5026, 10.6371 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 67.3613, 73.5026, 10.6371 by changing the saturation by 10% instead.


 67.3613, 73.5026,
10.6371


 67.3613, 73.5026,
10.6371


440.6420,
472.7549, 205.8079

 49.6501, 54.3870,
5.7123


 114.4849,
124.1905, 27.6134

 35.3521, 38.9112,
2.6050


 144.6280,
156.5315, 40.5021


 24.1020, 26.6906,
0.8950


 179.6458,
194.0499, 56.8823

 15.5345, 17.3410,
0.0000

 219.9035,
237.1299, 77.1728

 9.2841, 10.4779,
0.0000

 265.7667,
286.1561, 101.7921

 4.9855, 5.7170,
0.0000

 317.6006,

 2.2734, 2.6738,

341.5127, 131.1587

0.0000

375.7706,
403.5842, 165.6911

■ 0.7810, 0.9639,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3613, 73.5026,
10.6371

■ 67.3613, 73.5026,
10.6371

■ 67.3618, 73.5040,
10.6374

■ 68.4291, 75.3487,
11.8871

■ 69.7483, 77.3200,
14.3835

■ 71.3928, 79.4492,
18.5069

■ 73.4066, 81.7540,
24.4892

■ 75.8268, 84.2495,
32.5254

■ 78.6858, 86.9487,
42.7853

■ 82.0127, 89.8633,
55.4215

■ 85.8339, 93.0042,
70.5728

■ 90.1738, 96.3812,
88.3674

Harmonies

Analogous

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



89.8459, 73.5026, 14.1182



67.3613, 73.5026, 10.6371



49.5179, 73.5026, 16.5233

Triad

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



67.3613, 73.5026, 10.6371



40.8793, 73.5026, 164.3160



113.5249, 73.5026, 144.8567

Complementary

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



67.3613, 73.5026, 10.6371



18.5947, 8.3091, 95.2307

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.



95.1309, 73.5026, 223.8547



67.3613, 73.5026, 10.6371



53.0855, 73.5026, 238.5560

Square

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



67.3613, 73.5026, 10.6371



36.3266, 73.5026, 87.5020



72.4239, 73.5026, 264.5639



119.4785, 73.5026, 72.9994

Rectangle

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



67.3613, 73.5026, 10.6371



41.7329, 73.5026, 28.4483



72.4239, 73.5026, 264.5639



108.4297, 73.5026, 172.4529

Sweetspot

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



67.3630, 73.5061, 10.6386



82.0092, 89.8605, 55.4056



41.5291, 21.3761, 3.4525



17.2406, 18.9651, 10.6550



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.



67.3630, 73.5061, 10.6386



67.3623, 73.5046, 10.6374



50.5609, 79.1497, 12.6134



19.3489, 20.6660, 19.1135



35.2766, 38.5645, 5.5844



3.4882, 3.8618, 0.5616

Inverse Universe

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



18.5947, 8.3091, 95.2307



18.5937, 8.3075, 95.2312



22.6171, 9.5749, 95.2630



17.1924, 17.7564, 22.7711



9.7738, 4.4571, 49.7798



1.0078, 0.5464, 4.8656

Previews

White Background



This preview shows how the XYZ color 67.3613, 73.5026, 10.6371 looks on a white background.

Color Contrast Check

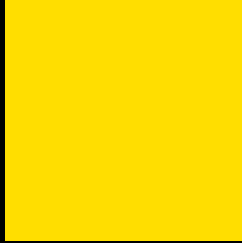
Large Text (above 18pt) WCAG AA × Fail

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 67.3613, 73.5026, 10.6371 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 67.3613, 73.5026, 10.6371

Background



This preview shows how black text looks on a background with the XYZ color 67.3613, 73.5026, 10.6371.



This preview shows how white text looks on a background with the XYZ color 67.3613, 73.5026,

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

67.3613, 73.5026, 10.6371

Protanopia

66.2042, 73.2977, 10.8308

Deuteranopia

72.4859, 73.4589, 44.0768



Tritanopia

77.7191, 73.1225, 79.1250

Trichromacy



Original Color

67.3613, 73.5026, 10.6371

Protanomaly

66.5545, 73.4796, 10.7900



Deuteranomaly

68.9698, 72.8823, 23.0030



Tritanomaly

70.3482, 71.7840, 35.3472

Monochromacy



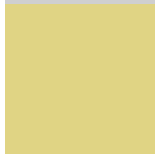
Original Color

67.3613, 73.5026, 10.6371



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

58.4488, 64.6002, 31.2183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3613, 73.5026, 10.6371 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, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.3613, 73.5026, 10.6371 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, 222, 0) }
```


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

```
.border{ border-color:rgb(255, 222, 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, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3613, 73.5026, 10.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 0) }
```

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

```
.background{ background-color: rgb(255,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor