

# Converting Colors

XYZ(67.4801, 73.7402, 10.6767)

Have a look what the booklet for  
XYZ(67.4801, 73.7402, 10.6767)  
contains.

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# **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

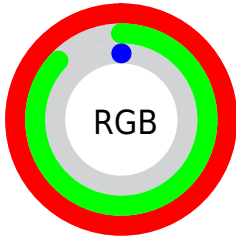
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	38, 255, 0
Decimal	16768512
CIE Lab	88.69, -5.45, 88.38
CIE LCh	89, 88.550, 93.528
Yxy	73.5026, 0.4446, 0.4852
Android (android.graphics.Color)	4294958592 (0xFFFFDE00)
YUV	206.5590, -101.8336, 42.4828
Hunter-Lab	85.7337, -9.7857, 52.6574

# Details

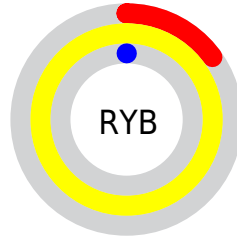
The XYZ color **67.3613, 73.5026, 10.6371** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **18.5947, 8.3091, 95.2307**, and the grayscale version is **59.6216, 62.7266, 68.3093**.

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**.

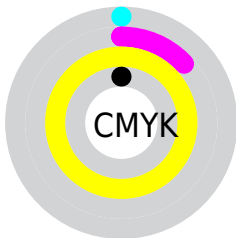
# Distribution



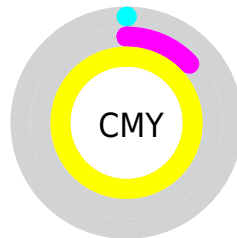
- Red (100%)
- Green (87%)
- Blue (0%)



- 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

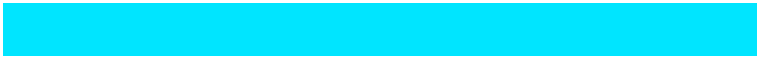
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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

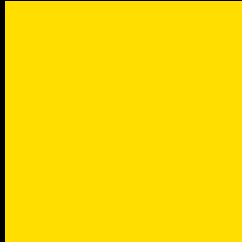
Any Text WCAG AA × Fail

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



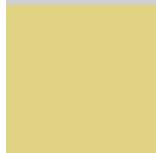
## Original Color

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](#).

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