

Converting Colors

XYZ(65.5882, 71.3398, 10.3131)

Have a look what the booklet for
XYZ(65.5882, 71.3398, 10.3131)
contains.

XYZ(65.4764, 71.3585, 10.3226)	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(65.4764, 71.3585,
10.3226)**

Conversions

Conversions Part 1

Format	Color
Hex	FCDB00
RGB	252, 219, 0
RGB Percent	99%, 86%, 0%
CMY	0.0118, 0.1411, 0.9999
CMYK	0.00, 0.13, 1.00, 0.01
HSL	52°, 100%, 49%
HSV	52°, 100%, 99%
XYZ	65.4764, 71.3585, 10.3226
YIQ	203.9010, 89.9670, -61.1130

Conversions

Conversions Part 2

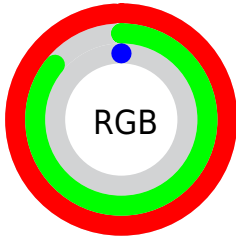
Format	Color
R _Y B	38, 252, 0
Decimal	16571136
CIE Lab	87.66, -5.22, 87.53
CIE LCh	88, 87.682, 93.410
Yxy	71.3585, 0.4449, 0.4849
Android (android.graphics.Color)	4294761216 (0xFFFCDB00)
YUV	203.9010, -100.5232, 42.1828
Hunter-Lab	84.4740, -9.4727, 51.8866

Details

The XYZ color **65.4764, 71.3585, 10.3226** 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 **18.1154, 8.1173, 92.7067**, and the grayscale version is **57.9113, 60.9272, 66.3497**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **34.6903, 37.8574, 5.4788** is the 20% darker color. If you saturate the color by 10%, you get **65.4768, 71.3599, 10.3228**, and if you desaturate by 10%, it is **66.5252, 73.1719, 11.5501**.

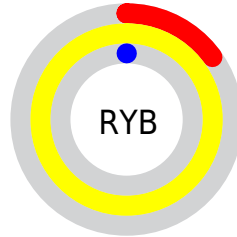
Distribution



Red (99%)

Green (86%)

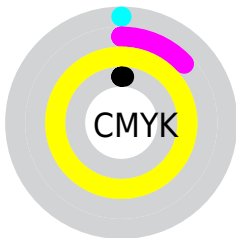
Blue (0%)



Red (15%)

Yellow (99%)

Blue (0%)

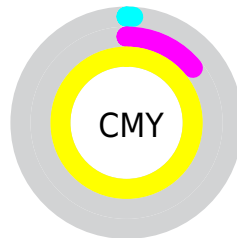


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4764, 71.3585, 10.3226 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 65.4764, 71.3585, 10.3226 by changing the saturation by 10% instead.


 65.4764, 71.3585,
10.3226

 65.4764, 71.3585,
10.3226


434.0202,
465.3057, 203.5270


 48.1136, 52.6348,
5.5050


 111.7964,
121.1440, 27.0178

 34.1285, 37.5113,
2.4826

 141.4843,
152.9747, 39.7324


 23.1557, 25.6036,
0.8309


 176.0113,
189.9431, 55.9165

 14.8298, 16.5274,
0.0000

 215.7428,
232.4337, 75.9885

 8.7856, 9.8981,
0.0000

 261.0440,
280.8309, 100.3670

 4.6576, 5.3314,
0.0000

 312.2805,

 2.0805, 2.4430,

335.5190, 129.4706

0.0000

369.8174,
396.8825, 163.7177

■ 0.6786, 0.8479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4764, 71.3585,
10.3226

■ 65.4764, 71.3585,
10.3226

■ 65.4768, 71.3599,
10.3228

■ 66.5252, 73.1719,
11.5501

■ 67.8189, 75.1080,
13.9892

■ 69.4294, 77.1984,
18.0115

■ 71.3996, 79.4604,
23.8422

■ 73.7654, 81.9085,
31.6705

■ 76.5583, 84.5556,
41.6615

■ 79.8066, 87.4131,
53.9632

■ 83.5359, 90.4913,
68.7106

■ 87.7700, 93.7999,
86.0282

Harmonies

Analogous

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



87.3124, 71.3585, 13.7389



65.4764, 71.3585, 10.3226



48.1277, 71.3585, 15.9954

Triad

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



65.4764, 71.3585, 10.3226



39.6547, 71.3585, 159.2076



110.1634, 71.3585, 140.9454

Complementary

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



65.4764, 71.3585, 10.3226



18.1154, 8.1173, 92.7067

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.



92.2722, 71.3585, 217.5857



65.4764, 71.3585, 10.3226



51.4756, 71.3585, 231.3832

Square

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



65.4764, 71.3585, 10.3226



35.2633, 71.3585, 84.7005



70.2273, 71.3585, 256.8823



116.0013, 71.3585, 71.0911

Rectangle

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



65.4764, 71.3585, 10.3226



40.5498, 71.3585, 27.5230



70.2273, 71.3585, 256.8823



105.2019, 71.3585, 167.7400

Sweetspot

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



65.4780, 71.3619, 10.3240



81.9735, 89.7892, 55.3938



40.4282, 20.8092, 3.3710



17.2319, 18.9478, 10.6521



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.



65.4780, 71.3619, 10.3240



67.2581, 73.2962, 10.6027



49.2296, 77.0537, 12.2790



18.5222, 19.7802, 18.3041



34.1860, 37.3286, 5.4033



3.2184, 3.5617, 0.5179

Inverse Universe

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



18.1154, 8.1173, 92.7067



18.6047, 8.3294, 95.2349



22.0264, 9.3258, 92.7338



16.4662, 17.0092, 21.8005



9.4942, 4.3439, 48.3116



0.9347, 0.5130, 4.4929

Previews

White Background



This preview shows how the XYZ color 65.4764, 71.3585, 10.3226 looks on a white background.

Color Contrast Check

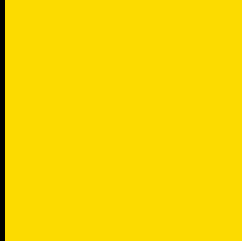
Large Text (above 18pt) WCAG AA × Fail

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 65.4764, 71.3585, 10.3226 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 65.4764, 71.3585, 10.3226

Background



This preview shows how black text looks on a background with the XYZ color 65.4764, 71.3585, 10.3226.



This preview shows how white text looks on a background with the XYZ color 65.4764, 71.3585,

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

65.4764, 71.3585, 10.3226

Protanopia

64.3375, 71.1560, 10.5158

Deuteranopia

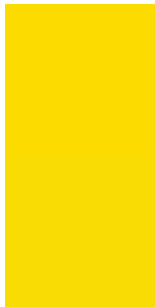
70.5393, 71.0505, 38.8505



Tritanopia

76.3390, 71.0001, 76.6987

Trichromacy



Original Color

65.4764, 71.3585, 10.3226

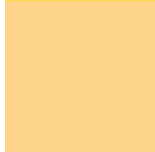
Protanomaly

64.6820, 71.3349, 10.4748



Deuteranomaly

67.2390, 70.4979, 20.8901



Tritanomaly

68.8275, 69.5234, 34.2179

Monochromacy



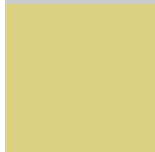
Original Color

65.4764, 71.3585, 10.3226



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

56.6485, 62.5848, 30.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4764, 71.3585, 10.3226 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(252, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 219, 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(252, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 65.4764, 71.3585, 10.3226 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(252, 219, 0) }
```


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

```
.border{ border-color:rgb(252, 219, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(252, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4764, 71.3585, 10.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 219, 0) }
```

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

```
.background{ background-color: rgb(252,  
219, 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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