

Converting Colors

XYZ(61.5299, 68.1672, 10.0006)

Have a look what the booklet for
XYZ(61.5299, 68.1672, 10.0006)
contains.

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Color

**XYZ(61.5345, 68.1730,
10.0016)**

Conversions

Conversions Part 1

Format	Color
Hex	F3D803
RGB	243, 216, 3
RGB Percent	95%, 85%, 1%
CMY	0.0471, 0.1529, 0.9881
CMYK	0.00, 0.11, 0.99, 0.05
HSL	53°, 98%, 48%
HSV	53°, 99%, 95%
XYZ	61.5345, 68.1730, 10.0016
YIQ	199.7910, 84.4650, -60.5190

Conversions

Conversions Part 2

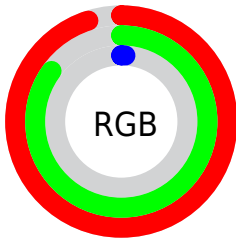
Format	Color
R_{YB}	33, 243, 3
Decimal	15980547
CIE _{Lab}	86.09, -7.51, 85.78
CIE _{LCh}	86, 86.110, 95.004
Yxy	68.1730, 0.4404, 0.4880
Android (android.graphics.Color)	4294170627 (0xFFFF3D803)
YUV	199.7910, -97.0180, 37.8943
Hunter-Lab	82.5669, -11.4618, 50.6149

Details

The XYZ color **61.5345, 68.1730, 10.0016** 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 **16.6802, 7.4201, 85.3466**, and the grayscale version is **55.3165, 58.1972, 63.3768**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **32.2117, 35.7857, 5.2096** is the 20% darker color. If you saturate the color by 10%, you get **61.4323, 67.9954, 9.8866**, and if you desaturate by 10%, it is **62.4272, 69.6626, 11.2128**.

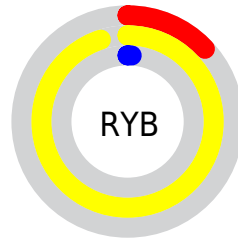
Distribution



Red (95%)

Green (85%)

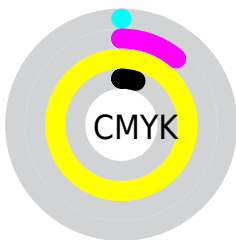
Blue (1%)



Red (13%)

Yellow (95%)

Blue (1%)

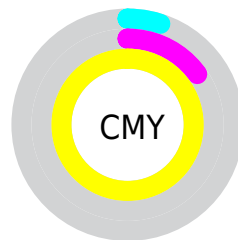


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (5%)



Cyan (5%)

Magenta (15%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5345, 68.1730, 10.0016 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 61.5345, 68.1730, 10.0016 by changing the saturation by 10% instead.

61.5345, 68.1730,
10.0016

61.5345, 68.1730,
10.0016

419.9757,
454.1087, 201.1687

44.9108, 50.0385,
5.2944

106.1462,
116.5996, 26.4064

31.5882, 35.4440,
2.3593

134.8650,
147.6605, 38.9410

21.2012, 24.0051,
0.7641

168.3462,
183.7989, 54.9219

13.3844, 15.3374,
0.0000

206.9551,
225.3994, 74.7676

7.7726, 9.0565,
0.0000

251.0572,
272.8462, 98.8965

4.0004, 4.7781,
0.0000

301.0177,

1.7023, 2.1176,

326.5237, 127.7274

0.0000

357.2021,
386.8164, 161.6786

■ 0.4577, 0.6745,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.5345, 68.1730,
10.0016

■ 61.5345, 68.1730,
10.0016

■ 61.4323, 67.9954,
9.8866

■ 62.4272, 69.6626,
11.2128

■ 63.5549, 71.2623,
13.6102

■ 64.9751, 72.9977,
17.4895

■ 66.7258, 74.8843,
23.0514

■ 68.8393, 76.9350,
30.4655

■ 71.3440, 79.1613,
39.8806

■ 74.2653, 81.5733,
51.4303

■ 77.6265, 84.1806,
65.2369

■ 81.4490, 86.9917,
81.4132

Harmonies

Analogous

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



82.2349, 68.1730, 12.8009



61.5345, 68.1730, 10.0016



45.3338, 68.1730, 15.9767

Triad

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



61.5345, 68.1730, 10.0016



38.3662, 68.1730, 155.8975



105.7478, 68.1730, 130.4314

Complementary

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



61.5345, 68.1730, 10.0016



16.6802, 7.4201, 85.3466

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.



89.1576, 68.1730, 203.9932



61.5345, 68.1730, 10.0016



50.0158, 68.1730, 223.2120

Square

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



61.5345, 68.1730, 10.0016



33.8099, 68.1730, 84.1432



68.1716, 68.1730, 244.2307



110.5562, 68.1730, 65.1255

Rectangle

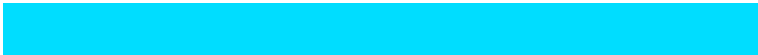
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.5345, 68.1730, 10.0016



38.3638, 68.1730, 27.6408



68.1716, 68.1730, 244.2307



101.2192, 68.1730, 155.8746

Sweetspot

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



61.5360, 68.1763, 10.0030



82.4023, 90.6466, 55.5367



37.2424, 19.2193, 3.0448



17.3359, 19.1556, 10.6868



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.



61.5360, 68.1763, 10.0030



68.5226, 75.8252, 11.0242



44.8313, 70.6877, 11.3681



17.7462, 18.9765, 17.5251



33.7794, 37.4445, 5.4471



3.0133, 3.3799, 0.4936

Inverse Universe

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



16.6802, 7.4201, 85.3466



18.4816, 8.0833, 95.1939



20.9314, 8.9705, 85.4218



15.7312, 16.2267, 20.8455



9.1459, 4.0856, 46.8446



0.8520, 0.4554, 4.1332

Previews

White Background



This preview shows how the XYZ color 61.5345, 68.1730, 10.0016 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 61.5345, 68.1730, 10.0016 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 61.5345, 68.1730, 10.0016

Background



This preview shows how black text looks on a background with the XYZ color 61.5345, 68.1730, 10.0016.



This preview shows how white text looks on a background with the XYZ color 61.5345, 68.1730,

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

61.5345, 68.1730, 10.0016

Protanopia

61.5345, 68.1730, 10.0016

Deuteranopia

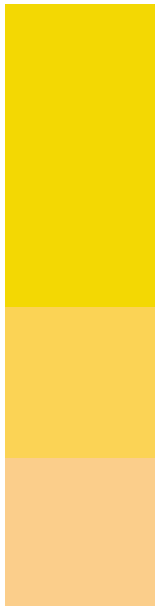
67.9607, 68.0377, 31.3805



Tritanopia

74.5213, 67.9912, 74.1617

Trichromacy



Original Color

61.5345, 68.1730, 10.0016

Protanomaly

61.5345, 68.1730, 10.0016

Deuteranomaly

64.7176, 67.7536, 18.2611

Tritanomaly

66.5152, 66.5159, 33.7592

Monochromacy



Original Color

61.5345, 68.1730, 10.0016

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.2865, 60.3001, 29.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.5345, 68.1730, 10.0016 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(243, 216, 3)` looks like.

```
.text, #text, p{  
    color:rgb(243, 216, 3)  
}
```

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(243, 216, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 216, 3) }
```

Border

The CSS property to change the border of an element to XYZ 61.5345, 68.1730, 10.0016 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(243, 216, 3) }
```


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

```
.border{ border-color:rgb(243, 216, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 216, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 216, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 216, 3);  
box-shadow:4px 4px 4px 4px rgb(243, 216,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 61.5345, 68.1730, 10.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 216, 3) }
```

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

```
.background{ background-color: rgb(243,  
216, 3) }
```

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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