

Converting Colors

XYZ(58.5312, 65.1424, 9.4888)

Have a look what the booklet for
XYZ(58.5312, 65.1424, 9.4888)
contains.

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Color

**XYZ(58.4685, 65.0915,
9.4823)**

Conversions

Conversions Part 1

Format	Color
Hex	EDD400
RGB	237, 212, 0
RGB Percent	93%, 83%, 0%
CMY	0.0706, 0.1686, 0.9999
CMYK	0.00, 0.11, 1.00, 0.07
HSL	54°, 100%, 46%
HSV	54°, 100%, 93%
XYZ	58.4685, 65.0915, 9.4823
YIQ	195.3070, 82.9520, -60.6320

Conversions

Conversions Part 2

Format	Color
RYB	28, 237, 0
Decimal	15586304
CIELab	84.53, -8.09, 84.68
CIELCh	85, 85.064, 95.454
Yxy	65.0915, 0.4395, 0.4893
Android (android.graphics.Color)	4293776384 (0xFFEDD400)
YUV	195.3070, -96.2864, 36.5648
Hunter-Lab	80.6793, -11.8294, 49.5071

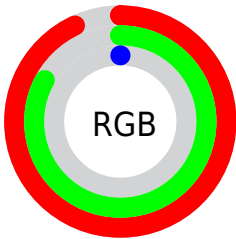
Details

The XYZ color **58.4685, 65.0915, 9.4823** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **15.6343, 6.8106, 80.6105**, and the grayscale version is **52.5806, 55.3189, 60.2422**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **30.1314, 33.6838, 4.9135** is the 20% darker color. If you saturate the color by 10%, you get **58.4691, 65.0931, 9.4826**, and if you desaturate by 10%, it is **59.2616, 66.4188, 10.5460**.

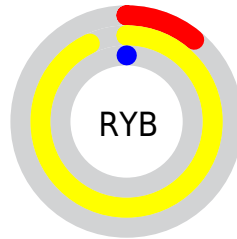
Distribution



Red (93%)

Green (83%)

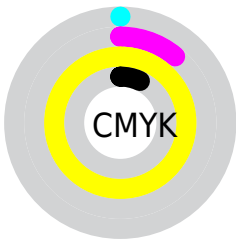
Blue (0%)



Red (11%)

Yellow (93%)

Blue (0%)

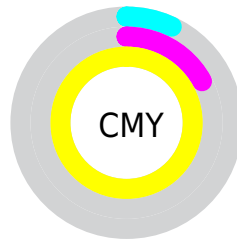


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4685, 65.0915, 9.4823 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 58.4685, 65.0915, 9.4823 by changing the saturation by 10% instead.


 58.4685, 65.0915,
9.4823

 58.4685, 65.0915,
9.4823


408.8552,
443.1207, 197.2848


 42.4301, 47.5353,
4.9560


 101.7238,
112.1814, 25.4095


 29.6308, 33.4590,
2.1632


 129.6715,
142.4839, 37.6475

 19.7052, 22.4783,
0.6530


 162.3197,
177.8039, 53.2931

 12.2880, 14.2088,
0.0000

 200.0337,
218.5258, 72.7649

 7.0137, 8.2660,
0.0000

 243.1789,
265.0340, 96.4815

 3.5171, 4.2656,
0.0000

 292.1206,

 1.4327, 1.8232,

317.7130, 124.8613

0.0000

347.2243,
376.9471, 158.3229

■ 0.2794, 0.5016,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4685, 65.0915,
9.4823

■ 58.4685, 65.0915,
9.4823

■ 58.4691, 65.0931,
9.4826

■ 59.2616, 66.4188,
10.5460

■ 60.2607, 67.8416,
12.6534

■ 61.5296, 69.3879,
16.1328

■ 63.1049, 71.0724,
21.1776

■ 65.0175, 72.9076,
27.9498

■ 67.2943, 74.9043,
36.5916

■ 69.9596, 77.0723,
47.2301

■ 73.0355, 79.4205,
59.9816

■ 76.5424, 81.9571,
74.9531

Harmonies

Analogous

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



78.2711, 65.0915, 12.0237



58.4685, 65.0915, 9.4823



43.0485, 65.0915, 15.3266

Triad

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



58.4685, 65.0915, 9.4823



36.6814, 65.0915, 150.2654



101.2801, 65.0915, 123.6590

Complementary

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



58.4685, 65.0915, 9.4823



15.6343, 6.8106, 80.6105

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.



85.4996, 65.0915, 194.3795



58.4685, 65.0915, 9.4823



47.9326, 65.0915, 214.4680

Square

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



58.4685, 65.0915, 9.4823



32.2237, 65.0915, 81.2619



65.3958, 65.0915, 233.7587



105.6868, 65.0915, 61.4106

Rectangle

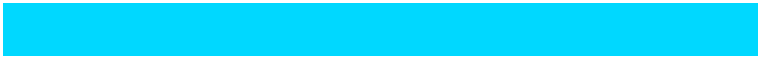
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4685, 65.0915, 9.4823



36.4480, 65.0915, 26.6419



65.3958, 65.0915, 233.7587



96.9920, 65.0915, 148.0392

Sweetspot

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



58.4700, 65.0946, 9.4836



82.5661, 90.9743, 55.5913



35.1307, 18.0872, 2.7178



17.3756, 19.2351, 10.7000



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.



58.4700, 65.0946, 9.4836



69.0126, 76.8052, 11.1875



42.1665, 66.6935, 10.6515



16.2083, 17.3397, 16.0113



31.9803, 35.6547, 5.1965



2.5502, 2.8778, 0.4211

Inverse Universe

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



15.6343, 6.8106, 80.6105



18.4395, 7.9990, 95.1798



19.5874, 8.3323, 80.6959



14.3590, 14.8045, 19.0230



8.5801, 3.8072, 44.0256



0.7166, 0.3847, 3.4714

Previews

White Background



This preview shows how the XYZ color 58.4685, 65.0915, 9.4823 looks on a white background.

Color Contrast Check

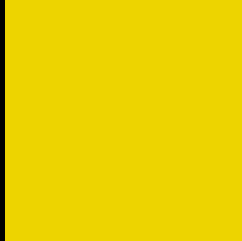
Large Text (above 18pt) WCAG AA × Fail

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 58.4685, 65.0915, 9.4823 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 58.4685, 65.0915, 9.4823

Background



This preview shows how black text looks on a background with the XYZ color 58.4685, 65.0915, 9.4823.



This preview shows how white text looks on a background with the XYZ color 58.4685, 65.0915,

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

58.4685, 65.0915, 9.4823

Protanopia

58.8034, 65.2641, 9.4980

Deuteranopia

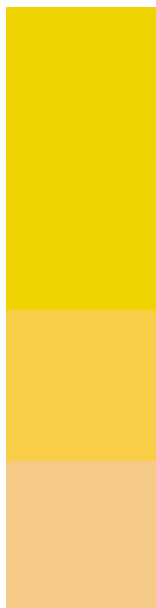
65.4104, 65.0977, 23.8695



Tritanopia

70.9168, 64.8257, 71.0622

Trichromacy



Original Color

58.4685, 65.0915, 9.4823

Protanomaly

58.8034, 65.2641, 9.4980

Deuteranomaly

61.8882, 64.5413, 14.9902

Tritanomaly

63.1499, 63.4028, 31.8313

Monochromacy



Original Color

58.4685, 65.0915, 9.4823

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.1031, 56.9302, 27.3640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4685, 65.0915, 9.4823 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(237, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 212, 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(237, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.4685, 65.0915, 9.4823 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(237, 212, 0) }
```


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

```
.border{ border-color:rgb(237, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4685, 65.0915, 9.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 212, 0) }
```

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

```
.background{ background-color: rgb(237,  
212, 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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