

Converting Colors

XYZ(58.4959, 64.5890, 16.0405)

Have a look what the booklet for
XYZ(58.4959, 64.5890, 16.0405)
contains.

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Color

**XYZ(58.4959, 64.5890,
16.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	EAD34B
RGB	234, 211, 75
RGB Percent	92%, 83%, 29%
CMY	0.0824, 0.1725, 0.7059
CMYK	0.00, 0.10, 0.68, 0.08
HSL	51°, 79%, 61%
HSV	51°, 68%, 92%
XYZ	58.4959, 64.5890, 16.0405
YIQ	202.3730, 57.3640, -37.4200

Conversions

Conversions Part 2

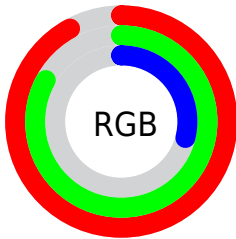
Format	Color
RYB	102, 234, 75
Decimal	15389515
CIELab	84.27, -6.90, 67.25
CIElCh	84, 67.606, 95.859
Yxy	64.5890, 0.4205, 0.4643
Android (android.graphics.Color)	4293579595 (0xFFEAD34B)
YUV	202.3730, -62.7949, 27.7369
Hunter-Lab	80.3673, -10.7202, 44.4234

Details

The XYZ color **58.4959, 64.5890, 16.0405** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.1206, 16.1713, 79.7967**, and the grayscale version is **56.7289, 59.6832, 64.9950**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **29.7471, 33.2323, 4.9041** is the 20% darker color. If you saturate the color by 10%, you get **57.0063, 62.6646, 12.2932**, and if you desaturate by 10%, it is **60.3006, 66.6727, 21.3466**.

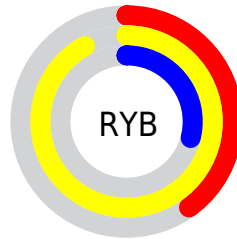
Distribution



Red (92%)

Green (83%)

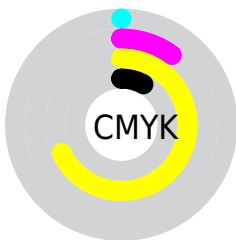
Blue (29%)



Red (40%)

Yellow (92%)

Blue (29%)

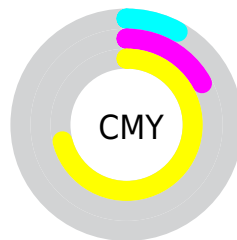


Cyan (0%)

Magenta (10%)

Yellow (68%)

Black (8%)



Cyan (8%)

Magenta (17%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4959, 64.5890, 16.0405 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 58.4959, 64.5890, 16.0405 by changing the saturation by 10% instead.

■ 58.4959, 64.5890,
16.0405

■ 58.4959, 64.5890,
16.0405

408.9554,
441.3135, 241.4344

■ 42.4523, 47.1279,
9.3982

■ 101.7635,
111.4588, 37.4363

■ 29.6482, 33.1368,
4.9014

■ 129.7181,
141.6362, 53.0268

■ 19.7185, 22.2312,
2.1318

■ 162.3738,
176.8212, 72.4371

■ 12.2976, 14.0269,
0.6346

■ 200.0959,
217.3982, 96.0857

■ 7.0204, 8.1394,
0.0000

■ 243.2497,
263.7515, 124.3912

■ 3.5213, 4.1843,
0.0000

292.2007,

■ 1.4350, 1.7772,

316.2656, 157.7722

0.0000

347.3141,
375.3248, 196.6471

■ 0.2810, 0.4729,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4959, 64.5890,
16.0405

■ 58.4959, 64.5890,
16.0405

■ 57.0063, 62.6646,
12.2932

■ 60.3006, 66.6727,
21.3466

■ 55.7931, 60.8763,
9.9212

■ 62.4450, 68.9184,
28.3602

■ 54.8105, 59.2084,
8.6775

■ 64.9562, 71.3394,
37.2170

■ 54.6227, 58.8749,
8.4851

■ 67.8573, 73.9452,
48.0380

■ 71.1693, 76.7443,
60.9337

■ 74.9118, 79.7449,
76.0065

■ 79.1031, 82.9542,
93.3521

■ 82.5786, 85.9066,
106.8370

■ 83.5735, 87.8966,
107.1687

Harmonies

Analogous

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



73.9418, 64.5890, 18.7089



58.4959, 64.5890, 16.0405



46.0134, 64.5890, 22.4133

Triad

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



58.4959, 64.5890, 16.0405



40.8768, 64.5890, 130.5735



91.6095, 64.5890, 109.7539

Complementary

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



58.4959, 64.5890, 16.0405



22.1206, 16.1713, 79.7967

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.



79.8590, 64.5890, 160.6243



58.4959, 64.5890, 16.0405



50.3455, 64.5890, 175.6779

Square

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



58.4959, 64.5890, 16.0405



36.9602, 64.5890, 79.0891



64.3778, 64.5890, 188.4673



94.7381, 64.5890, 62.2362

Rectangle

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



58.4959, 64.5890, 16.0405



40.5002, 64.5890, 33.4413



64.3778, 64.5890, 188.4673



88.4532, 64.5890, 127.5365

Sweetspot

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



58.4974, 64.5921, 16.0418



85.5912, 92.5239, 70.4745



38.6929, 23.4231, 14.2495



18.0723, 19.5962, 14.1148



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.



58.4974, 64.5921, 16.0418



68.5920, 75.1780, 13.4701



49.1334, 68.8597, 17.3591



16.1555, 17.2340, 15.9937



30.7672, 33.2286, 4.7921



2.4667, 2.7107, 0.3932

Inverse Universe

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



22.1206, 16.1713, 79.7967



21.7662, 12.9865, 95.9672



26.6739, 15.7708, 79.4794



14.4069, 14.9003, 19.0390



8.7191, 4.0851, 44.0719



0.7394, 0.4302, 3.4789

Previews

White Background



This preview shows how the XYZ color 58.4959, 64.5890, 16.0405 looks on a white background.

Color Contrast Check

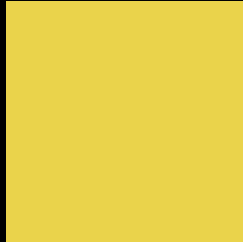
Large Text (above 18pt) WCAG AA × Fail

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 58.4959, 64.5890, 16.0405 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 58.4959, 64.5890, 16.0405

Background



This preview shows how black text looks on a background with the XYZ color 58.4959, 64.5890, 16.0405.



This preview shows how white text looks on a background with the XYZ color 58.4959, 64.5890,

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

58.4959, 64.5890, 16.0405

Protanopia

58.8252, 64.7587, 16.0559

Deuteranopia

65.0513, 64.2031, 24.2931



Tritanopia

69.6327, 64.1491, 71.6628

Trichromacy



Original Color

58.4959, 64.5890, 16.0405

Protanomaly

58.8252, 64.7587, 16.0559

Deuteranomaly

62.4412, 64.3377, 20.9318

Tritanomaly

64.0070, 63.5862, 43.5502

Monochromacy



Original Color

58.4959, 64.5890, 16.0405

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.5636, 60.3591, 40.1744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4959, 64.5890, 16.0405 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(234, 211, 75)` looks like.

```
.text, #text, p{  
    color:rgb(234, 211, 75)  
}
```

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(234, 211, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 211, 75) }
```

Border

The CSS property to change the border of an element to XYZ 58.4959, 64.5890, 16.0405 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(234, 211, 75) }
```


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

```
.border{ border-color:rgb(234, 211, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 211, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 211, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 211, 75);  
box-shadow:4px 4px 4px 4px rgb(234, 211,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4959, 64.5890, 16.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 211, 75) }
```

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

```
.background{ background-color: rgb(234,  
211, 75) }
```

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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