

Converting Colors

XYZ(55.2973, 58.6746, 8.4109)

Have a look what the booklet for
XYZ(55.2973, 58.6746, 8.4109)
contains.

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Color

**XYZ(55.3485, 58.8514,
8.4423)**

Conversions

Conversions Part 1

Format	Color
Hex	EDC700
RGB	237, 199, 0
RGB Percent	93%, 78%, 0%
CMY	0.0706, 0.2196, 0.9999
CMYK	0.00, 0.16, 1.00, 0.07
HSL	50°, 100%, 46%
HSV	50°, 100%, 93%
XYZ	55.3485, 58.8514, 8.4423
YIQ	187.6760, 86.5270, -53.8330

Conversions

Conversions Part 2

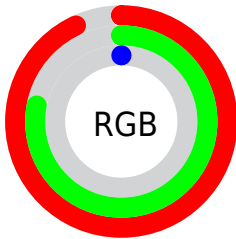
Format	Color
R _Y B	45, 237, 0
Decimal	15582976
CIE Lab	81.21, -1.47, 82.32
CIE LCh	81, 82.333, 91.025
Yxy	58.8514, 0.4513, 0.4799
Android (android.graphics.Color)	4293773056 (0xFFEDC700)
YUV	187.6760, -92.5243, 43.2571
Hunter-Lab	76.7147, -5.4655, 47.1755

Details

The XYZ color **55.3485, 58.8514, 8.4423** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **15.9799, 7.5018, 80.7259**, and the grayscale version is **48.0930, 50.5976, 55.1008**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **28.1834, 29.7879, 4.2642** is the 20% darker color. If you saturate the color by 10%, you get **55.3488, 58.8524, 8.4425**, and if you desaturate by 10%, it is **56.3970, 60.6895, 9.5910**.

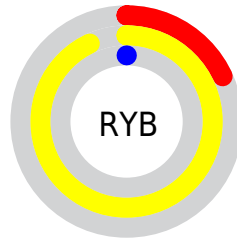
Distribution



Red (93%)

Green (78%)

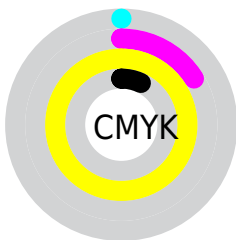
Blue (0%)



Red (18%)

Yellow (93%)

Blue (0%)

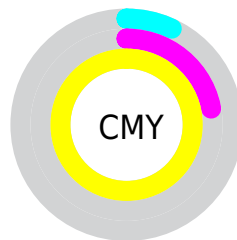


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3485, 58.8514, 8.4423 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 55.3485, 58.8514, 8.4423 by changing the saturation by 10% instead.


 55.3485, 58.8514,
8.4423

 55.3485, 58.8514,
8.4423


397.3466,
420.3510, 189.2234

 39.9158, 42.4935,
4.2874


 97.1967, 103.1617,
23.3814


 27.6568, 29.4879,
1.7843


 124.3429,
131.8828, 35.0027

 18.2062, 19.4502,
0.4176


 156.1243,
165.4939, 49.9499

 11.1987, 11.9961,
0.0000

 192.9062,
204.3792, 68.6416

 6.2689, 6.7410,
0.0000

 235.0541,
248.9231, 91.4962

 3.0515, 3.3007,
0.0000

 282.9332,

 1.1811, 1.2906,

299.5102, 118.9324

0.0000

336.9089,
356.5247, 151.3686

■ 0.0913, 0.1339,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3485, 58.8514,
8.4423

■ 55.3485, 58.8514,
8.4423

■ 55.3488, 58.8524,
8.4425

■ 56.3970, 60.6895,
9.5910

■ 57.6639, 62.6479,
11.7874

■ 59.2129, 64.7546,
15.3602

■ 61.0808, 67.0244,
20.5023

■ 63.2987, 69.4702,
27.3761

■ 65.8934, 72.1028,
36.1236

■ 68.8895, 74.9324,
46.8722

■ 72.3091, 77.9680,
59.7380

■ 76.1727, 81.2180,
74.8282

Harmonies

Analogous

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



73.4784, 58.8514, 11.8825



55.3485, 58.8514, 8.4423



40.6043, 58.8514, 12.4405

Triad

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



55.3485, 58.8514, 8.4423



32.1709, 58.8514, 126.1161



90.0260, 58.8514, 121.5750

Complementary

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



55.3485, 58.8514, 8.4423



15.9799, 7.5018, 80.7259

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.



74.7111, 58.8514, 183.8501



55.3485, 58.8514, 8.4423



41.4354, 58.8514, 187.2834

Square

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



55.3485, 58.8514, 8.4423



29.0209, 58.8514, 65.7840



56.5286, 58.8514, 212.4661



95.8063, 58.8514, 62.4041

Rectangle

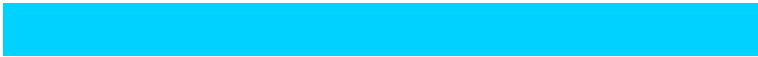
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3485, 58.8514, 8.4423



34.0184, 58.8514, 21.1443



56.5286, 58.8514, 212.4661



85.6865, 58.8514, 143.7187

Sweetspot

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



55.3498, 58.8543, 8.4435



81.2976, 88.4373, 55.1684



35.2999, 18.1549, 3.6087



17.0683, 18.6206, 10.5976



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.



55.3498, 58.8543, 8.4435



65.3163, 69.4126, 9.9554



44.3861, 67.8378, 10.7553



16.1344, 17.1917, 15.9867



30.2998, 32.2939, 4.6364



2.4343, 2.6460, 0.3824

Inverse Universe

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



15.9799, 7.5018, 80.7259



18.8389, 8.7978, 95.3130



18.5120, 7.7778, 80.6457



14.4262, 14.9389, 19.0454



8.7856, 4.2183, 44.0941



0.7485, 0.4485, 3.4820

Previews

White Background



This preview shows how the XYZ color 55.3485, 58.8514, 8.4423 looks on a white background.

Color Contrast Check

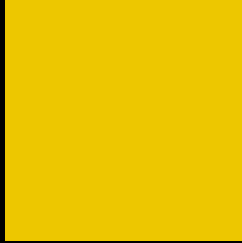
Large Text (above 18pt) WCAG AA × Fail

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 55.3485, 58.8514, 8.4423 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 55.3485, 58.8514, 8.4423

Background



This preview shows how black text looks on a background with the XYZ color 55.3485, 58.8514, 8.4423.

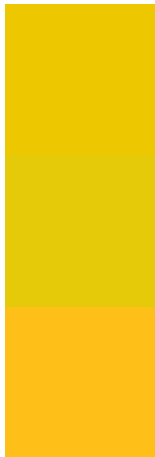


This preview shows how white text looks on a background with the XYZ color 55.3485, 58.8514,

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

55.3485, 58.8514, 8.4423

Protanopia

53.1593, 58.7526, 8.7683

Deuteranopia

60.0463, 58.5918, 9.0643



Tritanopia

66.3692, 58.7779, 61.8801

Trichromacy



Original Color

55.3485, 58.8514, 8.4423

Protanomaly

53.8690, 58.7732, 8.6487

Deuteranomaly

58.0967, 58.5774, 8.7348

Tritanomaly

59.5524, 57.5923, 28.0563

Monochromacy



Original Color

55.3485, 58.8514, 8.4423

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6934, 52.1772, 25.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3485, 58.8514, 8.4423 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, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 199, 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, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.3485, 58.8514, 8.4423 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, 199, 0) }
```


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

```
.border{ border-color:rgb(237, 199, 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, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3485, 58.8514, 8.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 199, 0) }
```

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

```
.background{ background-color: rgb(237,  
199, 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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