

Converting Colors

XYZ(56.8551, 59.0124, 20.9660)

Have a look what the booklet for
XYZ(56.8551, 59.0124, 20.9660)
contains.

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Color

**XYZ(56.8533, 59.0096,
20.9639)**

Conversions

Conversions Part 1

Format	Color
Hex	EBC666
RGB	235, 198, 102
RGB Percent	92%, 78%, 40%
CMY	0.0784, 0.2235, 0.6000
CMYK	0.00, 0.16, 0.57, 0.08
HSL	43°, 77%, 66%
HSV	43°, 57%, 92%
XYZ	56.8533, 59.0096, 20.9639
YIQ	198.1190, 52.8680, -22.0120

Conversions

Conversions Part 2

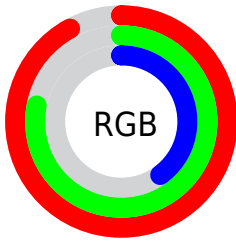
Format	Color
RYB	153, 235, 102
Decimal	15451750
CIELab	81.30, 1.90, 52.27
CIElCh	81, 52.301, 87.916
Yxy	59.0096, 0.4155, 0.4313
Android (android.graphics.Color)	4293641830 (0xFFEBC666)
YUV	198.1190, -47.3867, 32.3446
Hunter-Lab	76.8177, -2.3219, 37.5919

Details

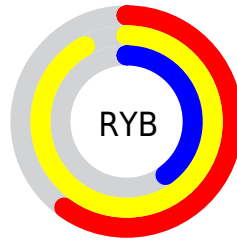
The XYZ color **56.8533, 59.0096, 20.9639** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.7072, 27.2873, 82.2982**, and the grayscale version is **54.0068, 56.8194, 61.8763**.

A 20% lighter version of the original color is **82.5982, 94.5102, 44.8992**, and **28.4535, 29.4069, 7.1941** is the 20% darker color. If you saturate the color by 10%, you get **54.3874, 55.6861, 15.1846**, and if you desaturate by 10%, it is **59.7168, 62.5998, 28.5064**.

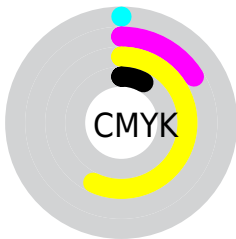
Distribution



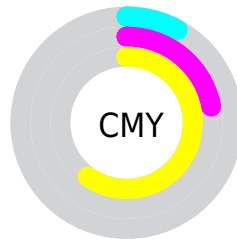
- Red (92%)
- Green (78%)
- Blue (40%)



- Red (60%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (16%)
- Yellow (57%)
- Black (8%)





- Cyan (8%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8533, 59.0096, 20.9639 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 56.8533, 59.0096, 20.9639 by changing the saturation by 10% instead.


 56.8533, 59.0096,
20.9639


 56.8533, 59.0096,
20.9639


402.9225,
420.9375, 269.8613


 41.1272, 42.6208,
12.9066


 99.3837, 103.3916,
45.9075


 28.6066, 29.5877,
7.2343


 126.9187,
132.1537, 63.6308

 18.9262, 19.5259,
3.5284


 159.1206,
165.8089, 85.4133

 11.7206, 12.0509,
1.3704

 196.3549,
204.7418, 111.6734

 6.6246, 6.7783,
0.1184

238.9868,
249.3367, 142.8298

 3.2727, 3.3239,
0.0000

287.3819,

 1.2996, 1.3031,

299.9781, 179.3008

0.0000

341.9053,
357.0502, 221.5052

■ 0.1829, 0.1436,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8533, 59.0096,
20.9639

■ 56.8533, 59.0096,
20.9639

■ 54.3874, 55.6861,
15.1846

■ 59.7168, 62.5998,
28.5064

■ 52.2854, 52.6078,
11.0134


■ 62.9998, 66.4600,
37.9425


■ 50.5142, 49.7624,
8.2741


■ 66.7275, 70.6038,
49.3943


■ 49.0305, 47.1313,
6.7429


■ 70.9216, 75.0410,
62.9725


 48.5670, 46.2744,
6.3721

 75.6022, 79.7810,
78.7799

 80.7884, 84.8324,
96.9124

 84.5900, 89.4405,
107.4131

 86.5893, 93.4392,
108.0796

 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



67.9870, 59.0096, 25.6001



56.8533, 59.0096, 20.9639



46.8252, 59.0096, 24.4351

Triad

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



56.8533, 59.0096, 20.9639



39.5133, 59.0096, 96.6934



75.8103, 59.0096, 101.7493

Complementary

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



56.8533, 59.0096, 20.9639



29.7072, 27.2873, 82.2982

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.



66.4957, 59.0096, 133.3261



56.8533, 59.0096, 20.9639



45.6633, 59.0096, 129.8026

Square

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



56.8533, 59.0096, 20.9639



37.6220, 59.0096, 62.0910



55.3273, 59.0096, 144.9613



79.7784, 59.0096, 66.4614

Rectangle

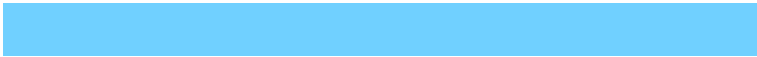
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8533, 59.0096, 20.9639



41.9105, 59.0096, 31.8044



55.3273, 59.0096, 144.9613



73.1459, 59.0096, 113.5304

Sweetspot

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



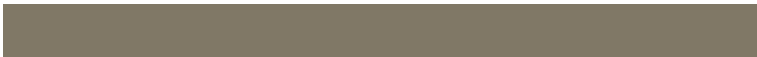
56.8547, 59.0124, 20.9651



85.1128, 90.0623, 74.9540



43.7229, 29.0496, 27.9921



17.9909, 19.0409, 15.2974



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.



56.8547, 59.0124, 20.9651



65.0045, 66.3765, 17.2889



57.6112, 73.5239, 23.7262



15.9772, 16.8774, 15.9343



27.1426, 25.9793, 3.5839



2.2115, 2.2004, 0.3082

Inverse Universe

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



29.7072, 27.2873, 82.2982



29.4553, 24.9165, 97.8646



29.0790, 20.3123, 80.9850



14.5723, 15.2309, 19.0941



9.5017, 5.6503, 44.3328



0.8247, 0.6008, 3.5074

Previews

White Background



This preview shows how the XYZ color 56.8533, 59.0096, 20.9639 looks on a white background.

Color Contrast Check

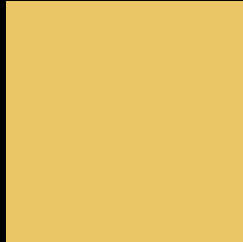
Large Text (above 18pt) WCAG AA × Fail

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 56.8533, 59.0096, 20.9639 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 56.8533, 59.0096, 20.9639

Background



This preview shows how black text looks on a background with the XYZ color 56.8533, 59.0096, 20.9639.



This preview shows how white text looks on a background with the XYZ color 56.8533, 59.0096,

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

56.8533, 59.0096, 20.9639

Protanopia

54.0001, 58.9083, 21.3563

Deuteranopia

60.2295, 59.0757, 21.0603



Tritanopia

65.6212, 58.9908, 63.1861

Trichromacy



Original Color

56.8533, 59.0096, 20.9639

Protanomaly

55.0134, 59.0835, 21.3367

Deuteranomaly

58.9254, 59.0642, 21.1268

Tritanomaly

61.6980, 58.6790, 43.6717

Monochromacy



Original Color

56.8533, 59.0096, 20.9639

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

53.6689, 56.8814, 42.8009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8533, 59.0096, 20.9639 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(235, 198, 102)` looks like.

```
.text, #text, p{  
    color:rgb(235, 198, 102)  
}
```

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(235, 198, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 198, 102) }
```

Border

The CSS property to change the border of an element to XYZ 56.8533, 59.0096, 20.9639 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(235, 198, 102) }
```


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

```
.border{ border-color:rgb(235, 198, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 198, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 198, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 198, 102);  
box-shadow:4px 4px 4px 4px rgb(235, 198,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8533, 59.0096, 20.9639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 198, 102) }
```

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

```
.background{ background-color: rgb(235,  
198, 102) }
```

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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