

Converting Colors

XYZ(58.2737, 58.9283, 13.9345)

Have a look what the booklet for
XYZ(58.2737, 58.9283, 13.9345)
contains.

XYZ(58.2455, 58.8724, 13.9239)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.2455, 58.8724,
13.9239)**

Conversions

Conversions Part 1

Format	Color
Hex	F5C345
RGB	245, 195, 69
RGB Percent	96%, 76%, 27%
CMY	0.0392, 0.2353, 0.7294
CMYK	0.00, 0.20, 0.72, 0.04
HSL	43°, 90%, 62%
HSV	43°, 72%, 96%
XYZ	58.2455, 58.8724, 13.9239
YIQ	195.5860, 70.2460, -28.5860

Conversions

Conversions Part 2

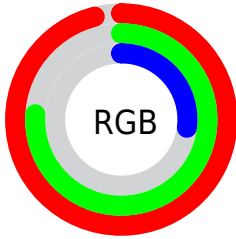
Format	Color
R _Y B	139, 245, 69
Decimal	16106309
CIE Lab	81.22, 5.64, 66.86
CIE LCh	81, 67.098, 85.180
Yxy	58.8724, 0.4445, 0.4493
Android (android.graphics.Color)	4294296389 (0xFFFF5C345)
YUV	195.5860, -62.4069, 43.3361
Hunter-Lab	76.7284, 1.2271, 42.9505

Details

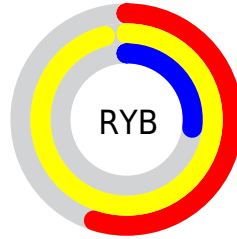
The XYZ color **58.2455, 58.8724, 13.9239** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **25.5323, 21.0508, 89.1031**, and the grayscale version is **52.5552, 55.2921, 60.2131**.

A 20% lighter version of the original color is **79.3753, 91.7096, 32.5870**, and **29.6806, 29.6603, 4.1607** is the 20% darker color. If you saturate the color by 10%, you get **56.1134, 55.5847, 10.2043**, and if you desaturate by 10%, it is **60.7667, 62.4368, 19.3222**.

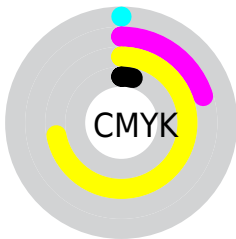
Distribution



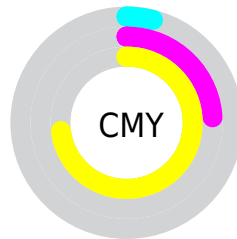
- Red (96%)
- Green (76%)
- Blue (27%)



- Red (55%)
- Yellow (96%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (72%)
- Black (4%)




- Cyan (4%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2455, 58.8724, 13.9239 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 58.2455, 58.8724, 13.9239 by changing the saturation by 10% instead.


 58.2455, 58.8724,
13.9239

 58.2455, 58.8724,
13.9239


408.0392,
420.4289, 228.1688


 42.2501, 42.5104,
7.9296


 101.4012,
103.1922, 33.6691

 29.4891, 29.5012,
3.9628


 129.2922,
131.9188, 48.2571


 19.5973, 19.4603,
1.6050


 161.8790,
165.5357, 66.5468

 12.2092, 12.0033,
0.2944

 199.5272,
204.4273, 88.9567

 6.9595, 6.7459,
0.0000

 242.6019,
248.9781, 115.9052

 3.4829, 3.3037,
0.0000

291.4686,

 1.4140, 1.2923,

299.5723, 147.8111

0.0000

346.4926,
356.5944, 185.0928

■ 0.2662, 0.1352,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2455, 58.8724,
13.9239

■ 58.2455, 58.8724,
13.9239

■ 56.1134, 55.5847,
10.2043

■ 60.7667, 62.4368,
19.3222

■ 54.3240, 52.5464,
7.9413


■ 63.7084, 66.2848,
26.5773


■ 53.0650, 50.2304,
6.8986


■ 67.1027, 70.4332,
35.8484

■ 70.9774, 74.8946,
47.2764

 75.3577, 79.6805,
60.9896

 80.2667, 84.8016,
77.1062

 85.7263, 90.2680,
95.7362

 90.1038, 95.4280,
108.2782

 91.4659, 98.1523,
108.7323

Harmonies

Analogous

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



72.7502, 58.8724, 19.3989



58.2455, 58.8724, 13.9239



45.2819, 58.8724, 16.6269

Triad

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



58.2455, 58.8724, 13.9239



34.9863, 58.8724, 102.7482



81.0502, 58.8724, 118.8691

Complementary

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



58.2455, 58.8724, 13.9239



25.5323, 21.0508, 89.1031

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.



68.1891, 58.8724, 162.0495



58.2455, 58.8724, 13.9239



41.9691, 58.8724, 150.3400

Square

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



58.2455, 58.8724, 13.9239



33.2188, 58.8724, 57.8489



53.7282, 58.8724, 175.4732



87.2408, 58.8724, 70.7903

Rectangle

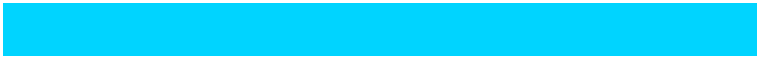
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2455, 58.8724, 13.9239



38.9741, 58.8724, 23.7113



53.7282, 58.8724, 175.4732



77.2696, 58.8724, 135.1133

Sweetspot

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



58.2469, 58.8753, 13.9251



82.4226, 87.1496, 66.4494



43.2850, 25.0694, 20.9059



17.3515, 18.3415, 13.2980



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.



58.2469, 58.8753, 13.9251



60.5590, 59.3957, 9.9179



60.2480, 79.4064, 17.7825



17.4937, 18.4715, 17.4409



28.7111, 27.3078, 3.7577



2.6106, 2.5744, 0.3593

Inverse Universe

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



25.5323, 21.0508, 89.1031



23.1342, 16.3239, 96.5393



24.3423, 13.8045, 87.7672



15.9645, 16.6932, 20.9233



10.1464, 6.0866, 47.1781



0.9756, 0.7026, 4.1744

Previews

White Background



This preview shows how the XYZ color 58.2455, 58.8724, 13.9239 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 58.2455, 58.8724, 13.9239 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 58.2455, 58.8724, 13.9239

Background



This preview shows how black text looks on a background with the XYZ color 58.2455, 58.8724, 13.9239.



This preview shows how white text looks on a background with the XYZ color 58.2455, 58.8724,

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

58.2455, 58.8724, 13.9239

Protanopia

53.6219, 58.8647, 14.4971

Deuteranopia

60.1000, 58.8369, 13.9834



Tritanopia

67.5648, 58.5123, 59.9575

Trichromacy



Original Color

58.2455, 58.8724, 13.9239

Protanomaly

55.1332, 58.6127, 14.2019

Deuteranomaly

59.2424, 58.7219, 14.0064

Tritanomaly

63.0590, 58.2519, 36.7743

Monochromacy



Original Color

58.2455, 58.8724, 13.9239

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.9765, 55.9780, 36.8668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2455, 58.8724, 13.9239 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(245, 195, 69)` looks like.

```
.text, #text, p{  
    color:rgb(245, 195, 69)  
}
```

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(245, 195, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 195, 69) }
```

Border

The CSS property to change the border of an element to XYZ 58.2455, 58.8724, 13.9239 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(245, 195, 69) }
```


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

```
.border{ border-color:rgb(245, 195, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 195, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 195, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 195, 69);  
box-shadow:4px 4px 4px 4px rgb(245, 195,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2455, 58.8724, 13.9239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 195, 69) }
```

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

```
.background{ background-color: rgb(245,  
195, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor