

Converting Colors

XYZ(58.4402, 59.2519, 19.5807)

Have a look what the booklet for
XYZ(58.4402, 59.2519, 19.5807)
contains.

XYZ(58.5155, 59.2202, 19.6558)	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(58.5155, 59.2202,
19.6558)**

Conversions

Conversions Part 1

Format	Color
Hex	F2C461
RGB	242, 196, 97
RGB Percent	95%, 77%, 38%
CMY	0.0510, 0.2313, 0.6196
CMYK	0.00, 0.19, 0.60, 0.05
HSL	41°, 85%, 66%
HSV	41°, 60%, 95%
XYZ	58.5155, 59.2202, 19.6558
YIQ	198.4680, 59.1950, -21.0370

Conversions

Conversions Part 2

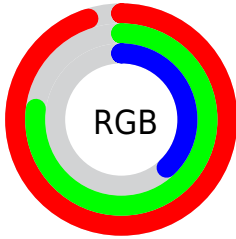
Format	Color
R _Y B	164, 242, 97
Decimal	15909985
CIE Lab	81.41, 5.47, 54.92
CIE LCh	81, 55.191, 84.312
Yxy	59.2202, 0.4259, 0.4310
Android (android.graphics.Color)	4294100065 (0xFFFF2C461)
YUV	198.4680, -50.0237, 38.1776
Hunter-Lab	76.9547, 1.0588, 38.7244

Details

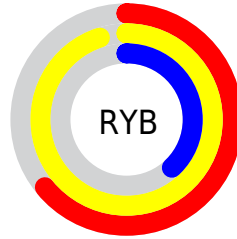
The XYZ color **58.5155, 59.2202, 19.6558** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7787, 28.5959, 87.9011**, and the grayscale version is **54.2328, 57.0571, 62.1352**.

A 20% lighter version of the original color is **81.5554, 93.0828, 42.5225**, and **29.8055, 29.8941, 6.5821** is the 20% darker color. If you saturate the color by 10%, you get **55.8676, 55.4633, 14.0301**, and if you desaturate by 10%, it is **61.5989, 63.2976, 27.1255**.

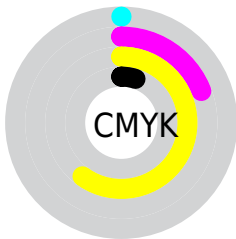
Distribution



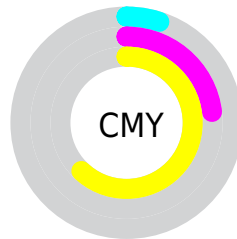
- Red (95%)
- Green (77%)
- Blue (38%)



- Red (64%)
- Yellow (95%)
- Blue (38%)



- Cyan (0%)
- Magenta (19%)
- Yellow (60%)
- Black (5%)



- Cyan (5%)
- Magenta (23%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5155, 59.2202, 19.6558 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 58.5155, 59.2202, 19.6558 by changing the saturation by 10% instead.

■ 58.5155, 59.2202,
19.6558

■ 58.5155, 59.2202,
19.6558

409.0270,
421.7175, 262.5879

■ 42.4681, 42.7904,
11.9635

■ 101.7918,
103.6976, 43.6907

■ 29.6607, 29.7207,
6.5966

■ 129.7514,
132.5141, 60.8704

■ 19.7280, 19.6267,
3.1365

■ 162.4125,
166.2282, 82.0496

■ 12.3046, 12.1240,
1.1648

■ 200.1404,
205.2243, 107.6470

■ 7.0251, 6.8282,
0.0000

243.3004,
249.8869, 138.0809

■ 3.5243, 3.3549,
0.0000

292.2580,

■ 1.4367, 1.3197,

300.6004, 173.7700

0.0000

347.3784,
357.7491, 215.1329

■ 0.2821, 0.1564,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5155, 59.2202,
19.6558

■ 58.5155, 59.2202,
19.6558

■ 55.8676, 55.4633,
14.0301

■ 61.5989, 63.2976,
27.1255

■ 53.6174, 52.0028,
10.0736


■ 65.1432, 67.7010,
36.5853


■ 51.7261, 48.8235,
7.5839


■ 69.1765, 72.4457,
48.1708

■ 50.1284, 45.8969,
6.2228

■ 73.7233, 77.5436,
62.0045

 50.1157, 45.8731,
6.2130

 78.8061, 83.0057,
78.1995

 84.4462, 88.8422,
96.8613

 88.7725, 94.3067,
108.1320

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



70.2535, 59.2202, 25.4050



58.5155, 59.2202, 19.6558



47.6344, 59.2202, 22.1675

Triad

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



58.5155, 59.2202, 19.6558



38.3859, 59.2202, 94.3524



76.3077, 59.2202, 109.1265

Complementary

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



58.5155, 59.2202, 19.6558



30.7787, 28.5959, 87.9011

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.



65.9287, 59.2202, 141.4899



58.5155, 59.2202, 19.6558



44.3063, 59.2202, 131.1164

Square

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



58.5155, 59.2202, 19.6558



36.9634, 59.2202, 58.3839



54.1159, 59.2202, 150.6728



81.3883, 59.2202, 70.9879

Rectangle

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



58.5155, 59.2202, 19.6558



42.1619, 59.2202, 28.8527



54.1159, 59.2202, 150.6728



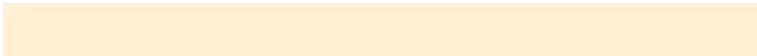
73.2596, 59.2202, 121.4988

Sweetspot

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



58.5169, 59.2231, 19.6570



84.0510, 88.4483, 73.0288



46.0293, 29.4817, 30.1882



17.6504, 18.5592, 14.5695



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.



58.5169, 59.2231, 19.6570



62.3026, 61.5448, 14.6244



62.7733, 79.2466, 23.2976



16.6755, 17.5641, 16.6610



27.0510, 24.9002, 3.3805



2.3394, 2.2495, 0.3109

Inverse Universe

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



30.7787, 28.5959, 87.9011



28.6125, 24.4438, 97.8178



28.2107, 19.0378, 86.1916



15.3065, 16.0470, 20.0123



10.1349, 6.4941, 45.8472



0.9293, 0.7125, 3.8428

Previews

White Background



This preview shows how the XYZ color 58.5155, 59.2202, 19.6558 looks on a white background.

Color Contrast Check

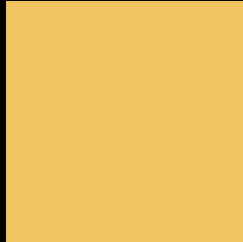
Large Text (above 18pt) WCAG AA × Fail

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 58.5155, 59.2202, 19.6558 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 58.5155, 59.2202, 19.6558

Background



This preview shows how black text looks on a background with the XYZ color 58.5155, 59.2202, 19.6558.



This preview shows how white text looks on a background with the XYZ color 58.5155, 59.2202,

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

58.5155, 59.2202, 19.6558

Protanopia

54.3485, 59.4600, 20.4168

Deuteranopia

60.6989, 59.3458, 19.8110



Tritanopia

67.0821, 59.1454, 61.9134

Trichromacy



Original Color

58.5155, 59.2202, 19.6558

Protanomaly

55.8139, 59.1793, 20.0363

Deuteranomaly

59.8542, 59.2396, 19.8350

Tritanomaly

63.0770, 58.7780, 42.2032

Monochromacy



Original Color

58.5155, 59.2202, 19.6558

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

54.1308, 56.8019, 41.8291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5155, 59.2202, 19.6558 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(242, 196, 97)` looks like.

```
.text, #text, p{  
    color:rgb(242, 196, 97)  
}
```

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(242, 196, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 196, 97) }
```

Border

The CSS property to change the border of an element to XYZ 58.5155, 59.2202, 19.6558 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(242, 196, 97) }
```


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

```
.border{ border-color:rgb(242, 196, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 196, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 196, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 196, 97);  
box-shadow:4px 4px 4px 4px rgb(242, 196,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5155, 59.2202, 19.6558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 196, 97) }
```

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

```
.background{ background-color: rgb(242,  
196, 97) }
```

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