

Converting Colors

XYZ(59.8678, 57.4312, 11.4822)

Have a look what the booklet for
XYZ(59.8678, 57.4312, 11.4822)
contains.

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Color

**XYZ(59.9128, 57.5023,
11.5557)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBC37
RGB	255, 188, 55
RGB Percent	100%, 74%, 22%
CMY	0.0000, 0.2627, 0.7843
CMYK	0.00, 0.26, 0.78, 0.00
HSL	40°, 100%, 61%
HSV	40°, 78%, 100%
XYZ	59.9128, 57.5023, 11.5557
YIQ	192.8710, 82.6250, -27.1590

Conversions

Conversions Part 2

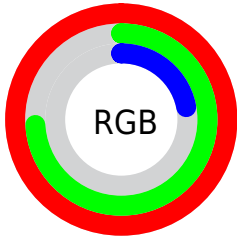
Format	Color
RYB	156, 255, 55
Decimal	16759863
CIELab	80.46, 12.93, 71.62
CIELCh	80, 72.779, 79.767
Yxy	57.5023, 0.4645, 0.4459
Android (android.graphics.Color)	4294949943 (0xFFFFBC37)
YUV	192.8710, -67.9704, 54.4871
Hunter-Lab	75.8303, 8.3282, 44.0460

Details

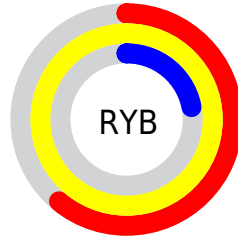
The XYZ color **59.9128, 57.5023, 11.5557** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **26.5848, 21.9505, 97.4427**, and the grayscale version is **50.9671, 53.6214, 58.3937**.

A 20% lighter version of the original color is **76.5153, 87.1312, 28.1145**, and **30.6563, 28.6654, 3.9172** is the 20% darker color. If you saturate the color by 10%, you get **57.6813, 53.7781, 8.5355**, and if you desaturate by 10%, it is **62.5703, 61.5744, 16.2748**.

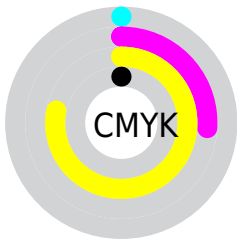
Distribution



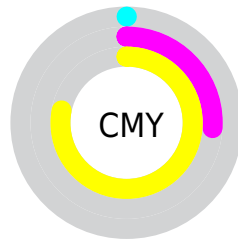
- Red (100%)
- Green (74%)
- Blue (22%)



- Red (61%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (26%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9128, 57.5023, 11.5557 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 59.9128, 57.5023, 11.5557 by changing the saturation by 10% instead.


 59.9128, 57.5023,
11.5557


 59.9128, 57.5023,
11.5557


414.1162,
415.3288, 212.3138


 43.5975, 41.4087,
6.3231


 103.8102,
101.1977, 29.3355

 30.5508, 28.6385,
2.9706


 132.1231,
129.5683, 42.7197

 20.4072, 18.8076,
1.0796


 165.1659,
162.8000, 59.6582

 12.8013, 11.5313,
0.0000

 203.3040,
201.2772, 80.5695

 7.3679, 6.4254,
0.0000

 246.9027,
245.3843, 105.8722

 3.7416, 3.1054,
0.0000

296.3274,

 1.5570, 1.1870,

295.5057, 135.9847

0.0000

351.9434,
352.0257, 171.3258

■ 0.3641, 0.0511,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9128, 57.5023,
11.5557

■ 59.9128, 57.5023,
11.5557

■ 57.6813, 53.7781,
8.5355

■ 62.5703, 61.5744,
16.2748

■ 55.8101, 50.3656,
6.8950

■ 65.6944, 66.0065,
22.9149

■ 55.5362, 49.8529,
6.6955

■ 69.3243, 70.8194,
31.6681

■ 73.4933, 76.0292,
42.7018

■ 78.2317, 81.6508,
56.1666

■ 83.5672, 87.6978,
72.2000

■ 89.5254, 94.1831,
90.9295

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



75.3662, 57.5023, 18.4889



59.9128, 57.5023, 11.5557



45.5109, 57.5023, 12.7403

Triad

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



59.9128, 57.5023, 11.5557



31.8500, 57.5023, 94.7263



79.6233, 57.5023, 132.1187

Complementary

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



59.9128, 57.5023, 11.5557



26.5848, 21.9505, 97.4427

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.



64.9467, 57.5023, 176.1899



59.9128, 57.5023, 11.5557



38.1337, 57.5023, 148.6590

Square

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



59.9128, 57.5023, 11.5557



30.9962, 57.5023, 49.1144



49.7127, 57.5023, 183.3329



88.0426, 57.5023, 78.3762

Rectangle

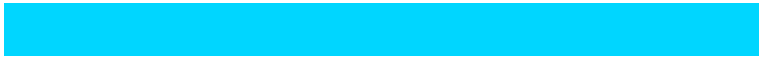
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.9128, 57.5023, 11.5557



38.2743, 57.5023, 18.2994



49.7127, 57.5023, 183.3329



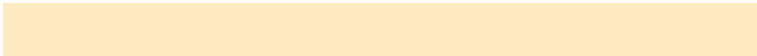
75.1454, 57.5023, 149.4234

Sweetspot

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



59.9141, 57.5052, 11.5568



80.5205, 84.2767, 62.9444



46.3079, 25.4734, 21.8791



16.8388, 17.5853, 12.2972



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.



59.9141, 57.5052, 11.5568



56.6015, 51.8417, 7.4864



67.5007, 87.8029, 17.0050



19.0186, 20.0054, 19.0034



29.1623, 26.3359, 3.5463



2.9402, 2.7658, 0.3789

Inverse Universe

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



26.5848, 21.9505, 97.4427



22.3977, 15.6156, 96.4414



23.1629, 11.8842, 95.6801



17.5001, 18.3719, 22.8737



11.2685, 7.4465, 50.2780



1.1930, 0.9168, 4.9273

Previews

White Background



This preview shows how the XYZ color 59.9128, 57.5023, 11.5557 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 59.9128, 57.5023, 11.5557 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 59.9128, 57.5023, 11.5557

Background



This preview shows how black text looks on a background with the XYZ color 59.9128, 57.5023, 11.5557.



This preview shows how white text looks on a background with the XYZ color 59.9128, 57.5023,

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

59.9128, 57.5023, 11.5557

Protanopia

52.1585, 57.4613, 12.3451

Deuteranopia

58.8630, 57.6025, 11.5060



Tritanopia

66.7641, 57.2618, 56.8240

Trichromacy



Original Color

59.9128, 57.5023, 11.5557

Protanomaly

54.7394, 57.4374, 12.0724

Deuteranomaly

59.0083, 57.3570, 11.4510

Tritanomaly

62.8504, 56.6689, 33.2168

Monochromacy



Original Color

59.9128, 57.5023, 11.5557

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.9076, 53.8437, 33.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9128, 57.5023, 11.5557 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(255, 188, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 55)  
}
```

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(255, 188, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 55) }
```

Border

The CSS property to change the border of an element to XYZ 59.9128, 57.5023, 11.5557 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(255, 188, 55) }
```


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

```
.border{ border-color:rgb(255, 188, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9128, 57.5023, 11.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 55) }
```

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

```
.background{ background-color: rgb(255,  
188, 55) }
```

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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