

Converting Colors

XYZ(59.3061, 59.6591, 12.3204)

Have a look what the booklet for
XYZ(59.3061, 59.6591, 12.3204)
contains.

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Color

**XYZ(59.5454, 59.9150,
12.2973)**

Conversions

Conversions Part 1

Format	Color
Hex	F9C439
RGB	249, 196, 57
RGB Percent	98%, 77%, 22%
CMY	0.0235, 0.2313, 0.7764
CMYK	0.00, 0.21, 0.77, 0.02
HSL	43°, 94%, 60%
HSV	43°, 77%, 98%
XYZ	59.5454, 59.9150, 12.2973
YIQ	196.0010, 76.2070, -31.9930

Conversions

Conversions Part 2

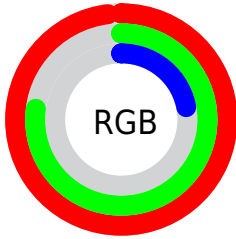
Format	Color
RYB	130, 249, 57
Decimal	16368697
CIELab	81.79, 6.31, 71.93
CIELCh	82, 72.209, 84.983
Yxy	59.9150, 0.4519, 0.4547
Android (android.graphics.Color)	4294558777 (0xFFFF9C439)
YUV	196.0010, -68.5275, 46.4801
Hunter-Lab	77.4048, 1.8568, 44.7639

Details

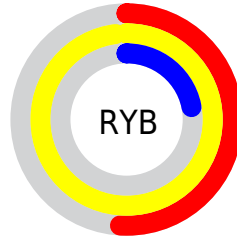
The XYZ color **59.5454, 59.9150, 12.2973** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.3621, 18.8610, 91.9785**, and the grayscale version is **52.8378, 55.5894, 60.5369**.

A 20% lighter version of the original color is **79.0877, 92.0957, 29.5275**, and **30.5615, 30.3363, 4.2447** is the 20% darker color. If you saturate the color by 10%, you get **57.5553, 56.6973, 9.2842**, and if you desaturate by 10%, it is **61.9135, 63.4023, 16.9384**.

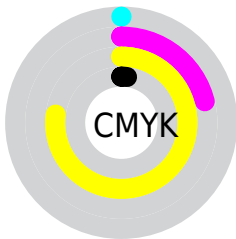
Distribution



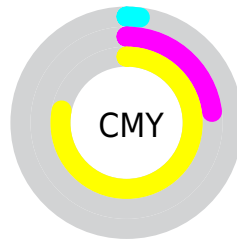
- Red (98%)
- Green (77%)
- Blue (22%)



- Red (51%)
- Yellow (98%)
- Blue (22%)



- Cyan (0%)
- Magenta (21%)
- Yellow (77%)
- Black (2%)



- Cyan (2%)
- Magenta (23%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5454, 59.9150, 12.2973 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 59.5454, 59.9150, 12.2973 by changing the saturation by 10% instead.

59.5454, 59.9150,
12.2973

59.5454, 59.9150,
12.2973

412.7817,
424.2844, 217.4110

43.3004, 43.3501,
6.8215

103.2800,
104.7064, 30.7079

30.3164, 30.1599,
3.2740

131.5004,
133.7016, 44.4798

20.2281, 19.9600,
1.2362

164.4432,
167.6091, 61.8541

12.6702, 12.3660,
0.0086

202.4738,
206.8133, 83.2493

7.2773, 6.9934,
0.0000

245.9576,
251.6985, 109.0841

3.6840, 3.4580,
0.0000

295.2600,

1.5249, 1.3753,

302.6492, 139.7770

0.0000

350.7462,
360.0497, 175.7464

■ 0.3427, 0.1984,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5454, 59.9150,
12.2973

■ 59.5454, 59.9150,
12.2973

■ 57.5553, 56.6973,
9.2842

■ 61.9135, 63.4023,
16.9384


■ 55.8877, 53.7184,
7.6300


■ 64.6957, 67.1679,
23.4111


■ 55.4430, 52.8923,
7.2871


■ 67.9276, 71.2299,
31.8928

■ 71.6396, 75.6020,
42.5386

 75.8590, 80.2964,
55.4888

 80.6110, 85.3246,
70.8714

 85.9190, 90.6972,
88.8052

 91.6101, 96.3465,
108.3761

 92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



75.4460, 59.9150, 17.8545



59.5454, 59.9150, 12.2973



45.4595, 59.9150, 14.9394

Triad

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



59.5454, 59.9150, 12.2973



34.3254, 59.9150, 107.4261



84.4360, 59.9150, 126.1209

Complementary

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



59.5454, 59.9150, 12.2973



24.3621, 18.8610, 91.9785

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.



70.2239, 59.9150, 174.5210



59.5454, 59.9150, 12.2973



41.7504, 59.9150, 160.7730

Square

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



59.5454, 59.9150, 12.2973



32.4853, 59.9150, 58.1783



54.4261, 59.9150, 189.4201



91.3599, 59.9150, 72.8453

Rectangle

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



59.5454, 59.9150, 12.2973



38.6633, 59.9150, 22.0974



54.4261, 59.9150, 189.4201



80.2421, 59.9150, 144.2945

Sweetspot

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



59.5468, 59.9179, 12.2985



82.0552, 86.8844, 64.8793



43.4216, 24.2230, 17.5427



17.1870, 18.1935, 12.6853



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.



59.5468, 59.9179, 12.2985



59.6627, 57.9328, 8.6034



60.4583, 81.3696, 16.3910



18.2986, 19.3331, 18.2296



29.8032, 28.5630, 3.9424



2.8490, 2.8229, 0.3947

Inverse Universe

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



24.3621, 18.8610, 91.9785



21.4134, 13.5806, 96.1005



23.6646, 12.3967, 90.7675



16.6729, 17.4227, 21.8694



10.3845, 6.1245, 48.6084



1.0465, 0.7366, 4.5302

Previews

White Background



This preview shows how the XYZ color 59.5454, 59.9150, 12.2973 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 59.5454, 59.9150, 12.2973 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 59.5454, 59.9150, 12.2973

Background



This preview shows how black text looks on a background with the XYZ color 59.5454, 59.9150, 12.2973.



This preview shows how white text looks on a background with the XYZ color 59.5454, 59.9150,

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

59.5454, 59.9150, 12.2973

Protanopia

54.3772, 59.9955, 12.8520

Deuteranopia

61.1795, 59.7477, 12.8654



Tritanopia

68.6670, 59.9891, 60.7832

Trichromacy



Original Color

59.5454, 59.9150, 12.2973

Protanomaly

56.2424, 59.9116, 12.6028

Deuteranomaly

60.6154, 59.7925, 12.6213

Tritanomaly

63.8939, 59.3532, 35.2829

Monochromacy



Original Color

59.5454, 59.9150, 12.2973

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.8751, 55.9713, 34.8048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5454, 59.9150, 12.2973 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(249, 196, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 196, 57)  
}
```

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(249, 196, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 196, 57) }
```

Border

The CSS property to change the border of an element to XYZ 59.5454, 59.9150, 12.2973 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(249, 196, 57) }
```


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

```
.border{ border-color:rgb(249, 196, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 196, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 196, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 196, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 196,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5454, 59.9150, 12.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 196, 57) }
```

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

```
.background{ background-color: rgb(249,  
196, 57) }
```

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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