

Converting Colors

XYZ(61.8167, 61.2673, 12.3221)

Have a look what the booklet for
XYZ(61.8167, 61.2673, 12.3221)
contains.

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Color

**XYZ(61.9201, 61.4780,
12.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC538
RGB	255, 197, 56
RGB Percent	100%, 77%, 22%
CMY	0.0000, 0.2274, 0.7804
CMYK	0.00, 0.23, 0.78, 0.00
HSL	43°, 100%, 61%
HSV	43°, 78%, 100%
XYZ	61.9201, 61.4780, 12.3443
YIQ	198.2680, 79.8290, -31.5550

Conversions

Conversions Part 2

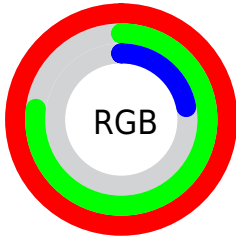
Format	Color
R_{YB}	138, 255, 56
Decimal	16762168
CIE Lab	82.64, 8.29, 73.26
CIE LCh	83, 73.731, 83.541
Yxy	61.4780, 0.4562, 0.4529
Android (android.graphics.Color)	4294952248 (0xFFFFC538)
YUV	198.2680, -70.1381, 49.7540
Hunter-Lab	78.4079, 3.7507, 45.5511

Details

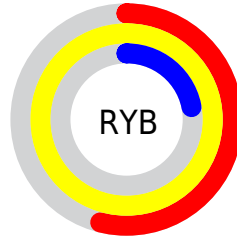
The XYZ color **61.9201, 61.4780, 12.3443** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **25.6982, 20.0951, 97.1315**, and the grayscale version is **54.2209, 57.0446, 62.1215**.

A 20% lighter version of the original color is **79.4025, 92.7255, 29.6324**, and **32.2214, 31.4159, 4.3656** is the 20% darker color. If you saturate the color by 10%, you get **59.8022, 57.9994, 9.3055**, and if you desaturate by 10%, it is **64.4412, 65.2559, 17.0836**.

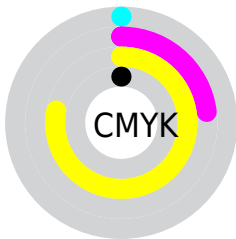
Distribution



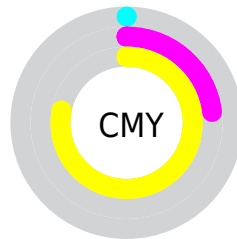
- Red (100%)
- Green (77%)
- Blue (22%)



- Red (54%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (23%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9201, 61.4780, 12.3443 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 61.9201, 61.4780, 12.3443 by changing the saturation by 10% instead.

61.9201, 61.4780,
12.3443

61.9201, 61.4780,
12.3443

421.3618,
430.0245, 217.7297

45.2235, 44.6110,
6.8532

106.7006,
106.9707, 30.7944

31.8355, 31.1512,
3.2934

135.5153,
136.3653, 44.5905

21.3908, 20.7140,
1.2463

169.1000,
170.7045, 61.9920

13.5241, 12.9151,
0.0172

207.8201,
210.3728, 83.4174

7.8699, 7.3701,
0.0000

252.0410,
255.7546, 109.2854

4.0629, 3.6946,
0.0000

302.1280,

1.7378, 1.5042,

307.2342, 140.0144

0.0000

358.4465,
365.1960, 176.0230

■ 0.4797, 0.2917,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9201, 61.4780,
12.3443

■ 61.9201, 61.4780,
12.3443

■ 59.8022, 57.9994,
9.3055

■ 64.4412, 65.2559,
17.0836

■ 58.0246, 54.7857,
7.6602

■ 67.4048, 69.3433,
23.7434

■ 57.6997, 54.1797,
7.4166

■ 70.8494, 73.7599,
32.5144

■ 74.8077, 78.5206,
43.5633

■ 79.3092, 83.6388,
57.0398

■ 84.3808, 89.1272,
73.0808

■ 90.0477, 94.9973,
91.8131

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



78.4244, 61.4780, 18.4936



61.9201, 61.4780, 12.3443



47.1125, 61.4780, 14.6423

Triad

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



61.9201, 61.4780, 12.3443



34.7586, 61.4780, 108.0824



86.4527, 61.4780, 133.1525

Complementary

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



61.9201, 61.4780, 12.3443



25.6982, 20.0951, 97.1315

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.



71.4356, 61.4780, 182.6882



61.9201, 61.4780, 12.3443



42.1652, 61.4780, 164.2200

Square

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



61.9201, 61.4780, 12.3443



33.1317, 61.4780, 57.6145



55.0793, 61.4780, 196.0739



94.1452, 61.4780, 77.2190

Rectangle

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



61.9201, 61.4780, 12.3443



39.8930, 61.4780, 21.5837



55.0793, 61.4780, 196.0739



81.9767, 61.4780, 151.9641

Sweetspot

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



61.9215, 61.4810, 12.3455



81.7914, 86.3568, 64.7913



45.7894, 25.3428, 18.9110



17.1226, 18.0647, 12.6638



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.



61.9215, 61.4810, 12.3455



58.7076, 56.0538, 8.1885



64.5570, 86.2826, 16.9938



19.0878, 20.1439, 19.0264



30.2847, 28.5806, 3.9204



3.0431, 2.9715, 0.4132

Inverse Universe

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



25.6982, 20.0951, 97.1315



21.5127, 13.8456, 96.1464



24.2676, 12.5250, 95.7457



17.4343, 18.2401, 22.8518



10.8329, 6.5754, 50.1328



1.1441, 0.8189, 4.9110

Previews

White Background



This preview shows how the XYZ color 61.9201, 61.4780, 12.3443 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 61.9201, 61.4780, 12.3443 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 61.9201, 61.4780, 12.3443

Background



This preview shows how black text looks on a background with the XYZ color 61.9201, 61.4780, 12.3443.



This preview shows how white text looks on a background with the XYZ color 61.9201, 61.4780,

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

61.9201, 61.4780, 12.3443

Protanopia

55.7900, 61.4370, 12.9211

Deuteranopia

62.5029, 61.3491, 16.5299



Tritanopia

69.5320, 61.3500, 62.2098

Trichromacy



Original Color

61.9201, 61.4780, 12.3443

Protanomaly

58.0296, 61.5325, 12.6894

Deuteranomaly

62.1825, 61.2209, 14.8428

Tritanomaly

65.1373, 60.6282, 35.8731

Monochromacy



Original Color

61.9201, 61.4780, 12.3443

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

54.5958, 57.5236, 35.4198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9201, 61.4780, 12.3443 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, 197, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 56)  
}
```

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, 197, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 56) }
```

Border

The CSS property to change the border of an element to XYZ 61.9201, 61.4780, 12.3443 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, 197, 56) }
```


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

```
.border{ border-color:rgb(255, 197, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 197, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9201, 61.4780, 12.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 56) }
```

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

```
.background{ background-color: rgb(255,  
197, 56) }
```

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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