

Converting Colors

XYZ(78.8400, 70.6770, 12.5853)

Have a look what the booklet for
XYZ(78.8400, 70.6770, 12.5853)
contains.

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Color

**XYZ(62.0316, 61.8872,
11.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC633
RGB	255, 198, 51
RGB Percent	100%, 78%, 20%
CMY	0.0000, 0.2235, 0.8000
CMYK	0.00, 0.22, 0.80, 0.00
HSL	43°, 100%, 60%
HSV	43°, 80%, 100%
XYZ	62.0316, 61.8872, 11.8080
YIQ	198.2850, 81.1590, -33.6330

Conversions

Conversions Part 2

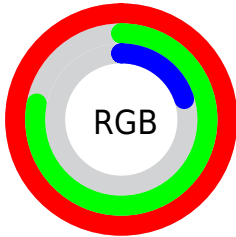
Format	Color
R_YB	130, 255, 51
Decimal	16762419
CIE Lab	82.85, 7.61, 75.06
CIE LCh	83, 75.447, 84.209
Yxy	61.8872, 0.4570, 0.4560
Android (android.graphics.Color)	4294952499 (0xFFFFC633)
YUV	198.2850, -72.6115, 49.7391
Hunter-Lab	78.6684, 3.0810, 46.1686

Details

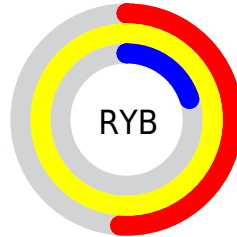
The XYZ color **62.0316, 61.8872, 11.8080** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.7778, 18.6486, 96.9005**, and the grayscale version is **54.2454, 57.0704, 62.1496**.

A 20% lighter version of the original color is **79.4963, 93.2694, 28.5647**, and **32.1177, 31.5883, 4.4044** is the 20% darker color. If you saturate the color by 10%, you get **60.0259, 58.5427, 9.0848**, and if you desaturate by 10%, it is **64.4245, 65.5141, 16.1800**.

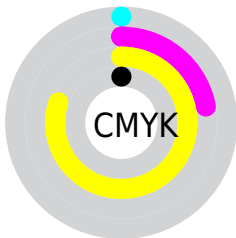
Distribution



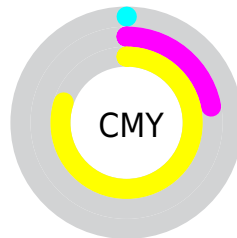
- Red (100%)
- Green (78%)
- Blue (20%)



- Red (51%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.0316, 61.8872, 11.8080 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 62.0316, 61.8872, 11.8080 by changing the saturation by 10% instead.


 62.0316, 61.8872,
11.8080

 62.0316, 61.8872,
11.8080


421.7621,
431.5195, 214.0626


 45.3139, 44.9416,
6.4921


 106.8609,
107.5625, 29.8041


 31.9071, 31.4114,
3.0730


 135.7032,
137.0609, 43.3214


 21.4458, 20.9123,
1.1320


 169.3178,
171.5124, 60.4095

 13.5645, 13.0599,
0.0000

 208.0700,
211.3014, 81.4871

 7.8981, 7.4698,
0.0000

 252.3252,
256.8121, 106.9727

 4.0811, 3.7576,
0.0000

302.4487,

 1.7481, 1.5389,

308.4292, 137.2848

0.0000

358.8058,
366.5368, 172.8419

■ 0.4861, 0.3159,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.0316, 61.8872,
11.8080

■ 62.0316, 61.8872,
11.8080

■ 60.0259, 58.5427,
9.0848

■ 64.4245, 65.5141,
16.1800

■ 58.3301, 55.4406,
7.6270

■ 67.2456, 69.4340,
22.4298

■ 58.3296, 55.4398,
7.6267

■ 70.5342, 73.6667,
30.7535

■ 74.3235, 78.2271,
41.3216

■ 78.6435, 83.1286,
54.2866

■ 83.5214, 88.3838,
69.7880

■ 88.9827, 94.0042,
87.9540

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



79.0536, 61.8872, 17.7416



62.0316, 61.8872, 11.8080



46.9169, 61.8872, 14.2847

Triad

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



62.0316, 61.8872, 11.8080



34.6781, 61.8872, 111.1434



87.9819, 61.8872, 134.4381

Complementary

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



62.0316, 61.8872, 11.8080



24.7778, 18.6486, 96.9005

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.



72.5875, 61.8872, 186.3887



62.0316, 61.8872, 11.8080



42.3750, 61.8872, 169.1555

Square

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



62.0316, 61.8872, 11.8080



32.8899, 61.8872, 58.7520



55.7249, 61.8872, 201.3804



95.7066, 61.8872, 76.8240

Rectangle

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



62.0316, 61.8872, 11.8080



39.6140, 61.8872, 21.4406



55.7249, 61.8872, 201.3804



83.4097, 61.8872, 154.0358

Sweetspot

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



62.0330, 61.8903, 11.8092



81.5011, 86.2380, 63.2713



45.1735, 24.7279, 16.8048



17.0760, 18.0599, 12.3763



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.



62.0330, 61.8903, 11.8092



58.9830, 56.6566, 8.1200



63.1642, 85.5779, 16.3218



19.1071, 20.1823, 19.0329



30.6112, 29.2336, 4.0293



3.0728, 3.0309, 0.4231

Inverse Universe

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



24.7778, 18.6486, 96.9005



20.9444, 12.8192, 95.9782



23.9745, 12.0320, 95.6657



17.4161, 18.2038, 22.8457



10.7244, 6.3584, 50.0966



1.1316, 0.7938, 4.9069

Previews

White Background



This preview shows how the XYZ color 62.0316, 61.8872, 11.8080 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 62.0316, 61.8872, 11.8080 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 62.0316, 61.8872, 11.8080

Background



This preview shows how black text looks on a background with the XYZ color 62.0316, 61.8872, 11.8080.



This preview shows how white text looks on a background with the XYZ color 62.0316, 61.8872,

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

62.0316, 61.8872, 11.8080

Protanopia

56.2341, 62.0385, 12.3789

Deuteranopia

62.8459, 61.8484, 17.2199



Tritanopia

69.8629, 61.8253, 62.8949

Trichromacy



Original Color

62.0316, 61.8872, 11.8080

Protanomaly

58.1479, 61.9589, 12.1434

Deuteranomaly

62.4089, 61.6735, 14.9182

Tritanomaly

65.2779, 61.0346, 35.5345

Monochromacy



Original Color

62.0316, 61.8872, 11.8080

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

54.5183, 57.4926, 35.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.0316, 61.8872, 11.8080 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, 198, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 51)  
}
```

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, 198, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 51) }
```

Border

The CSS property to change the border of an element to XYZ 62.0316, 61.8872, 11.8080 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, 198, 51) }
```


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

```
.border{ border-color:rgb(255, 198, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 62.0316, 61.8872, 11.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 51) }
```

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

```
.background{ background-color: rgb(255,  
198, 51) }
```

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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