

Converting Colors

XYZ(62.4651, 61.3339, 16.3309)

Have a look what the booklet for
XYZ(62.4651, 61.3339, 16.3309)
contains.

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Color

**XYZ(62.4651, 61.3339,
16.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC451
RGB	255, 196, 81
RGB Percent	100%, 77%, 32%
CMY	0.0000, 0.2313, 0.6823
CMYK	0.00, 0.23, 0.68, 0.00
HSL	40°, 100%, 66%
HSV	40°, 68%, 100%
XYZ	62.4651, 61.3339, 16.3309
YIQ	200.5310, 72.0790, -23.2570

Conversions

Conversions Part 2

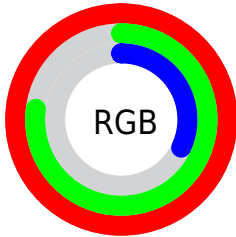
Format	Color
R_{YB}	170, 255, 81
Decimal	16761937
CIE Lab	82.56, 9.89, 63.66
CIE LCh	83, 64.429, 81.166
Yxy	61.3339, 0.4458, 0.4377
Android (android.graphics.Color)	4294952017 (0xFFFFC451)
YUV	200.5310, -58.9288, 47.7693
Hunter-Lab	78.3160, 5.3193, 42.4577

Details

The XYZ color **62.4651, 61.3339, 16.3309** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.8210, 27.7244, 98.3340**, and the grayscale version is **55.5502, 58.4431, 63.6446**.

A 20% lighter version of the original color is **80.4236, 92.6301, 36.5623**, and **32.2154, 31.1722, 5.0780** is the 20% darker color. If you saturate the color by 10%, you get **59.7885, 57.2346, 11.5742**, and if you desaturate by 10%, it is **65.6158, 65.8075, 23.0171**.

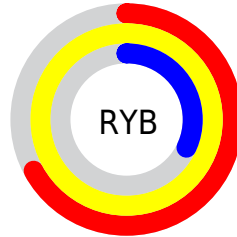
Distribution



Red (100%)

Green (77%)

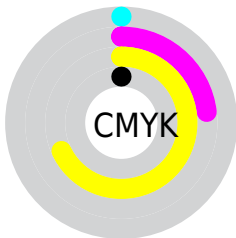
Blue (32%)



Red (67%)

Yellow (100%)

Blue (32%)

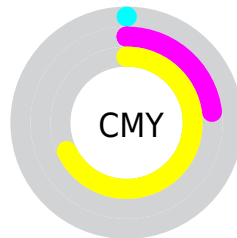


Cyan (0%)

Magenta (23%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4651, 61.3339, 16.3309 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 62.4651, 61.3339, 16.3309 by changing the saturation by 10% instead.

62.4651, 61.3339,
16.3309

62.4651, 61.3339,
16.3309

423.3162,
429.4972, 243.1985

45.6656, 44.4947,
9.6017

107.4836,
106.7622, 37.9465

32.1856, 31.0596,
5.0336

136.4333,
136.1202, 53.6699

21.6595, 20.6442,
2.2079

170.1639,
170.4198, 73.2286

13.7221, 12.8642,
0.6789

209.0406,
210.0455, 97.0410

8.0081, 7.3351,
0.0000

253.4288,
255.3817, 125.5256

4.1520, 3.6725,
0.0000

303.6939,

1.7885, 1.4921,

306.8128, 159.1010

0.0000

360.2013,
364.7232, 198.1858

■ 0.5107, 0.2832,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4651, 61.3339,
16.3309

■ 62.4651, 61.3339,
16.3309

■ 59.7885, 57.2346,
11.5742

■ 65.6158, 65.8075,
23.0171

■ 57.5373, 53.4799,
8.5186

■ 69.2741, 70.6645,
31.8194

■ 55.6522, 50.0454,
6.8559

■ 73.4749, 75.9240,
42.9062

■ 55.3428, 49.4661,
6.6310

■ 78.2484, 81.6011,
56.4278

■ 83.6222, 87.7094,
72.5217

■ 89.6221, 94.2619,
91.3148

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



76.5604, 61.3339, 23.3658



62.4651, 61.3339, 16.3309



49.2339, 61.3339, 18.0387

Triad

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



62.4651, 61.3339, 16.3309



36.8947, 61.3339, 98.1362



81.4944, 61.3339, 126.6391

Complementary

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



62.4651, 61.3339, 16.3309



30.8210, 27.7244, 98.3340

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.



68.4070, 61.3339, 165.6197



62.4651, 61.3339, 16.3309



43.1953, 61.3339, 145.1517

Square

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



62.4651, 61.3339, 16.3309



35.8183, 61.3339, 55.7822



54.3167, 61.3339, 173.4787



88.6295, 61.3339, 79.1408

Rectangle

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



62.4651, 61.3339, 16.3309



42.5218, 61.3339, 24.3663



54.3167, 61.3339, 173.4787



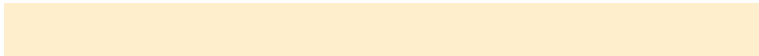
77.5562, 61.3339, 141.8433

Sweetspot

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



62.4665, 61.3369, 16.3321



82.6289, 86.5992, 69.4871



49.0575, 29.0953, 28.5829



17.3560, 18.1635, 13.8760



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.



62.4665, 61.3369, 16.3321



58.8936, 55.7814, 10.2373



69.5262, 88.7552, 21.2523



19.0122, 19.9925, 19.0012



29.0619, 26.1350, 3.5128



2.9309, 2.7472, 0.3758

Inverse Universe

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



30.8210, 27.7244, 98.3340



25.5096, 20.4732, 97.2150



27.0683, 16.2375, 96.3146



17.5063, 18.3843, 22.8758



11.3128, 7.5351, 50.2928



1.1979, 0.9265, 4.9290

Previews

White Background



This preview shows how the XYZ color 62.4651, 61.3339, 16.3309 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 62.4651, 61.3339, 16.3309 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 62.4651, 61.3339, 16.3309

Background



This preview shows how black text looks on a background with the XYZ color 62.4651, 61.3339, 16.3309.



This preview shows how white text looks on a background with the XYZ color 62.4651, 61.3339,

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

62.4651, 61.3339, 16.3309

Protanopia

55.9846, 61.4407, 17.2960

Deuteranopia

62.7002, 61.4280, 17.5690



Tritanopia

69.5320, 61.3500, 62.2098

Trichromacy



Original Color

62.4651, 61.3339, 16.3309

Protanomaly

57.9418, 61.0427, 16.9122

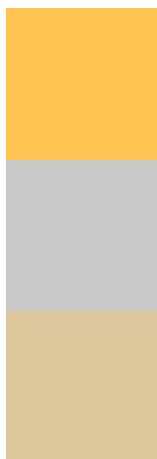
Deuteranomaly

62.6196, 61.3957, 17.1445

Tritanomaly

65.8716, 60.9219, 39.7398

Monochromacy



Original Color

62.4651, 61.3339, 16.3309

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.3280, 58.6533, 40.2507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4651, 61.3339, 16.3309 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, 196, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 81)  
}
```

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, 196, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 81) }
```

Border

The CSS property to change the border of an element to XYZ 62.4651, 61.3339, 16.3309 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, 196, 81) }
```


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

```
.border{ border-color:rgb(255, 196, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4651, 61.3339, 16.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 81) }
```

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

```
.background{ background-color: rgb(255,  
196, 81) }
```

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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