

Converting Colors

XYZ(60.9454, 56.8336, 20.3282)

Have a look what the booklet for
XYZ(60.9454, 56.8336, 20.3282)
contains.

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Color

**XYZ(60.9872, 56.9172,
20.3421)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB966
RGB	255, 185, 102
RGB Percent	100%, 73%, 40%
CMY	0.0000, 0.2745, 0.6000
CMYK	0.00, 0.27, 0.60, 0.00
HSL	33°, 100%, 70%
HSV	33°, 60%, 100%
XYZ	60.9872, 56.9172, 20.3421
YIQ	196.4680, 68.3630, -10.9730

Conversions

Conversions Part 2

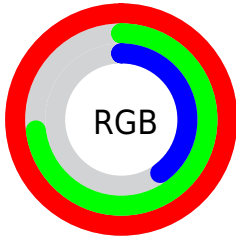
Format	Color
R _Y B	231, 255, 102
Decimal	16759142
CIE Lab	80.13, 16.89, 51.41
CIE LCh	80, 54.116, 71.812
Yxy	56.9172, 0.4411, 0.4117
Android (android.graphics.Color)	4294949222 (0xFFFFB966)
YUV	196.4680, -46.5727, 51.3326
Hunter-Lab	75.4435, 12.2702, 36.8239

Details

The XYZ color **60.9872, 56.9172, 20.3421** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.2812, 39.5480, 100.2231**, and the grayscale version is **52.9943, 55.7541, 60.7162**.

A 20% lighter version of the original color is **78.6117, 86.5372, 43.5704**, and **31.3545, 28.3436, 6.9503** is the 20% darker color. If you saturate the color by 10%, you get **57.5709, 51.8069, 13.8948**, and if you desaturate by 10%, it is **64.9953, 62.5892, 28.9060**.

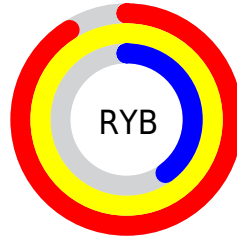
Distribution



Red (100%)

Green (73%)

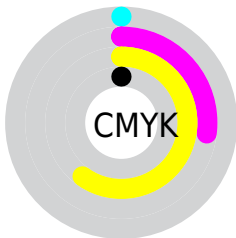
Blue (40%)



Red (91%)

Yellow (100%)

Blue (40%)

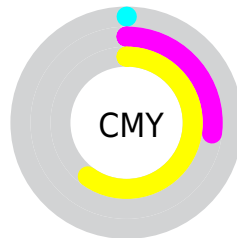


Cyan (0%)

Magenta (27%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9872, 56.9172, 20.3421 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 60.9872, 56.9172, 20.3421 by changing the saturation by 10% instead.


 60.9872, 56.9172,
20.3421


 60.9872, 56.9172,
20.3421


418.0037,
413.1390, 266.4264

 44.4673, 40.9388,
12.4574


 105.3586,
100.3444, 44.8565


 31.2376, 28.2712,
6.9297


 133.9409,
128.5619, 62.3233

 20.9325, 18.5302,
3.3404


 167.2747,
161.6279, 83.8212

 13.1869, 11.3313,
1.2710

 205.7253,
199.9268, 109.7687

 7.6352, 6.2902,
0.0378

249.6582,
243.8429, 140.5845

 3.9123, 3.0223,
0.0000

299.4387,

 1.6526, 1.1434,

293.7607, 176.6870

0.0000

355.4321,
350.0646, 218.4948

■ 0.4263, 0.0147,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9872, 56.9172,
20.3421

■ 60.9872, 56.9172,
20.3421

■ 57.5709, 51.8069,
13.8948

■ 64.9953, 62.5892,
28.9060

■ 54.7006, 47.2254,
9.3646

■ 69.6281, 68.8366,
39.7550

■ 52.3286, 43.1481,
6.5188

■ 74.9203, 75.6828,
53.0438

■ 50.3777, 39.5358,
4.9761

■ 80.9027, 83.1468,
68.9130

■ 50.3776, 39.5355,
4.9759

■ 87.6038, 91.2469,
87.4920

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.



71.4835, 56.9172, 29.6732



60.9872, 56.9172, 20.3421



49.8741, 56.9172, 19.5220

Triad

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



60.9872, 56.9172, 20.3421



35.8905, 56.9172, 75.2486



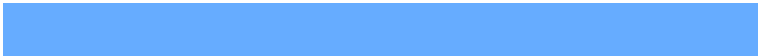
69.4952, 56.9172, 119.1199

Complementary

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



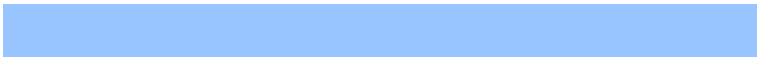
60.9872, 56.9172, 20.3421



38.2812, 39.5480, 100.2231

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.



58.5541, 56.9172, 142.4021



60.9872, 56.9172, 20.3421



39.7882, 56.9172, 111.8919

Square

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



60.9872, 56.9172, 20.3421



36.3565, 56.9172, 44.8914



47.7484, 56.9172, 139.3813



76.8366, 56.9172, 82.9167

Rectangle

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



60.9872, 56.9172, 20.3421



43.6766, 56.9172, 23.3777



47.7484, 56.9172, 139.3813



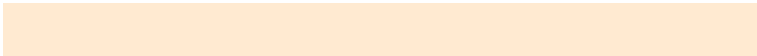
66.0580, 56.9172, 129.1927

Sweetspot

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



60.9885, 56.9200, 20.3432



82.1844, 84.7151, 72.4066



53.5731, 33.7958, 43.4385



17.1937, 17.6458, 14.4173



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.



60.9885, 56.9200, 20.3432



56.9545, 50.8487, 12.8417



77.5465, 92.7844, 26.3930



18.8259, 19.6200, 18.9391



26.4747, 20.9607, 2.6504



2.6870, 2.2595, 0.2945

Inverse Universe

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



38.2812, 39.5480, 100.2231



32.4648, 32.1484, 99.1019



28.8772, 19.8553, 96.9177



17.6876, 18.7469, 22.9362



12.8797, 10.6690, 50.8151



1.3617, 1.2541, 4.9836

Previews

White Background



This preview shows how the XYZ color 60.9872, 56.9172, 20.3421 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 60.9872, 56.9172, 20.3421 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 60.9872, 56.9172, 20.3421

Background



This preview shows how black text looks on a background with the XYZ color 60.9872, 56.9172, 20.3421.



This preview shows how white text looks on a background with the XYZ color 60.9872, 56.9172,

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

60.9872, 56.9172, 20.3421

Protanopia

52.2907, 56.9685, 22.1499

Deuteranopia

58.4186, 57.1790, 20.2696



Tritanopia

66.4547, 56.8185, 56.1797

Trichromacy



Original Color

60.9872, 56.9172, 20.3421

Protanomaly

55.1203, 56.7593, 21.4151

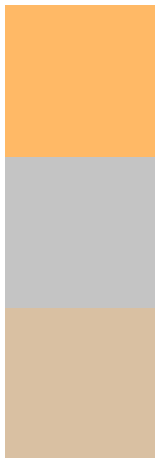
Deuteranomaly

59.3991, 57.0458, 20.1922

Tritanomaly

63.9354, 56.7764, 39.9369

Monochromacy



Original Color

60.9872, 56.9172, 20.3421

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

53.9865, 55.0596, 41.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9872, 56.9172, 20.3421 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, 185, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 102)  
}
```

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, 185, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 102) }
```

Border

The CSS property to change the border of an element to XYZ 60.9872, 56.9172, 20.3421 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, 185, 102) }
```


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

```
.border{ border-color:rgb(255, 185, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9872, 56.9172, 20.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 102) }
```

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

```
.background{ background-color: rgb(255,  
185, 102) }
```

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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