

Converting Colors

XYZ(84.2571, 71.0515, 31.5021)

Have a look what the booklet for
XYZ(84.2571, 71.0515, 31.5021)
contains.

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Color

**XYZ(64.3233, 60.6527,
30.5072)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC085
RGB	255, 192, 133
RGB Percent	100%, 75%, 52%
CMY	0.0000, 0.2470, 0.4784
CMYK	0.00, 0.25, 0.48, 0.00
HSL	29°, 100%, 76%
HSV	29°, 48%, 100%
XYZ	64.3233, 60.6527, 30.5072
YIQ	204.1110, 56.4870, -4.9930

Conversions

Conversions Part 2

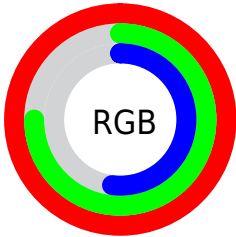
Format	Color
R _Y B	255, 247, 133
Decimal	16760965
CIE Lab	82.19, 15.74, 38.42
CIE LCh	82, 41.524, 67.722
Yxy	60.6527, 0.4137, 0.3901
Android (android.graphics.Color)	4294951045 (0xFFFFC085)
YUV	204.1110, -35.0577, 44.6297
Hunter-Lab	77.8798, 11.1388, 31.2907

Details

The XYZ color **64.3233, 60.6527, 30.5072** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4620, 51.6844, 102.0822**, and the grayscale version is **57.6557, 60.6583, 66.0569**.

A 20% lighter version of the original color is **83.7770, 91.9827, 60.3526**, and **33.3764, 30.5219, 12.1148** is the 20% darker color. If you saturate the color by 10%, you get **60.0083, 54.5081, 21.4071**, and if you desaturate by 10%, it is **69.3276, 67.4916, 41.9479**.

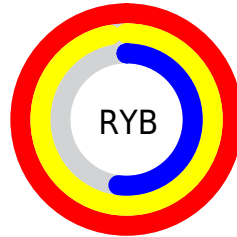
Distribution



Red (100%)

Green (75%)

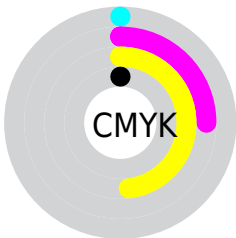
Blue (52%)



Red (100%)

Yellow (97%)

Blue (52%)

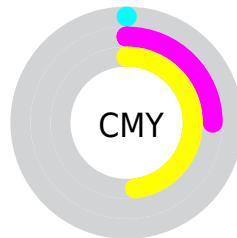


Cyan (0%)

Magenta (25%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3233, 60.6527, 30.5072 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 64.3233, 60.6527, 30.5072 by changing the saturation by 10% instead.


 64.3233, 60.6527,
30.5072

 64.3233, 60.6527,
30.5072


429.9399,
426.9994, 318.5421


 47.1752, 43.9449,
19.9686


 110.1475,
105.7759, 61.5338

 33.3827, 30.6272,
12.1884


 139.5544,
134.9602, 82.8589

 22.5804, 20.3152,
6.7480

 173.7783,
169.0720, 108.6165

 14.4030, 12.6243,
3.2290

213.1845,
208.4959, 139.2253

 8.4851, 7.1704,
1.2127

258.1385,
253.6162, 175.1037

 4.4613, 3.5689,
0.0000

309.0054,

 1.9663, 1.4355,

304.8173, 216.6702

0.0000

366.1508,
362.4836, 264.3435

■ 0.6149, 0.2426,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3233, 60.6527,
30.5072

■ 64.3233, 60.6527,
30.5072

■ 60.0083, 54.5081,
21.4071

■ 69.3276, 67.4916,
41.9479

■ 56.3398, 49.0228,
14.4759

■ 75.0516, 75.0402,
55.8770

■ 53.2766, 44.1715,
9.5240

■ 81.5289, 83.3244,
72.4340

■ 50.7691, 39.9225,
6.3265

■ 88.7894, 92.3659,
91.7473

■ 48.7530, 36.2379, 95.0499, 100.0000,
4.5830 108.9000

■ 48.3641, 35.5083,
4.3047

Harmonies

Analogous

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



72.1384, 60.6527, 40.5474



64.3233, 60.6527, 30.5072



55.3986, 60.6527, 28.6423

Triad

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



64.3233, 60.6527, 30.5072



42.4163, 60.6527, 72.7875



68.6657, 60.6527, 112.4179

Complementary

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



64.3233, 60.6527, 30.5072



47.4620, 51.6844, 102.0822

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.



59.9587, 60.6527, 126.8465



64.3233, 60.6527, 30.5072



45.2418, 60.6527, 100.4571

Square

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



64.3233, 60.6527, 30.5072



43.3296, 60.6527, 49.2781



51.4523, 60.6527, 121.9860



74.8185, 60.6527, 86.2288

Rectangle

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



64.3233, 60.6527, 30.5072



50.1102, 60.6527, 31.6878



51.4523, 60.6527, 121.9860



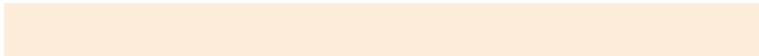
65.9074, 60.6527, 119.0730

Sweetspot

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



64.3248, 60.6556, 30.5084



84.2245, 86.7079, 79.5223



59.5954, 42.0226, 57.2151



17.7005, 18.1494, 16.1583



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.



64.3248, 60.6556, 30.5084



60.3464, 55.0001, 22.0876



80.5884, 93.1829, 35.9296



18.7344, 19.4370, 18.9086



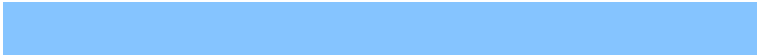
25.4193, 18.8498, 2.2986



2.5838, 2.0529, 0.2601

Inverse Universe

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



47.4620, 51.6844, 102.0822



41.7234, 45.0856, 101.1111



36.3920, 29.5444, 98.3922



17.7788, 18.9292, 22.9666



13.8698, 12.6492, 51.1451



1.4599, 1.4504, 5.0163

Previews

White Background



This preview shows how the XYZ color 64.3233, 60.6527, 30.5072 looks on a white background.

Color Contrast Check

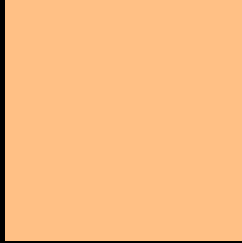
Large Text (above 18pt) WCAG AA × Fail

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 64.3233, 60.6527, 30.5072 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 64.3233, 60.6527, 30.5072

Background



This preview shows how black text looks on a background with the XYZ color 64.3233, 60.6527, 30.5072.



This preview shows how white text looks on a background with the XYZ color 64.3233, 60.6527,

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

64.3233, 60.6527, 30.5072

Protanopia

56.5430, 61.0272, 32.8441

Deuteranopia

61.9108, 60.7386, 30.2905



Tritanopia

69.1077, 60.5013, 62.0684

Trichromacy



Original Color

64.3233, 60.6527, 30.5072

Protanomaly

59.0299, 60.5786, 31.8742

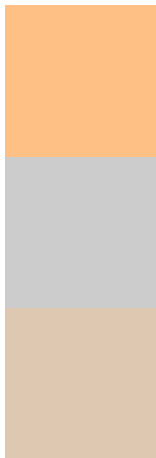
Deuteranomaly

62.7469, 60.8359, 30.2652

Tritanomaly

66.9611, 60.3216, 48.6714

Monochromacy



Original Color

64.3233, 60.6527, 30.5072

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.1216, 60.2109, 50.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3233, 60.6527, 30.5072 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, 192, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 133)  
}
```

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, 192, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 133) }
```

Border

The CSS property to change the border of an element to XYZ 64.3233, 60.6527, 30.5072 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, 192, 133) }
```


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

```
.border{ border-color:rgb(255, 192, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 192, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 192, 133); box-shadow:4px 4px 4px 4px rgb(255, 192, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3233, 60.6527, 30.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 133) }
```

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

```
.background{ background-color: rgb(255,  
192, 133) }
```

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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