

Converting Colors

XYZ(64.1808, 60.5327, 29.9515)

Have a look what the booklet for
XYZ(64.1808, 60.5327, 29.9515)
contains.

XYZ(64.2545, 60.6252, 30.1451)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.2545, 60.6252,
30.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC084
RGB	255, 192, 132
RGB Percent	100%, 75%, 52%
CMY	0.0000, 0.2470, 0.4823
CMYK	0.00, 0.25, 0.48, 0.00
HSL	29°, 100%, 76%
HSV	29°, 48%, 100%
XYZ	64.2545, 60.6252, 30.1451
YIQ	203.9970, 56.8080, -5.3040

Conversions

Conversions Part 2

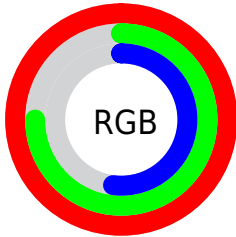
Format	Color
R_{YB}	255, 249, 132
Decimal	16760964
CIE _{Lab}	82.18, 15.65, 38.92
CIE _{LCh}	82, 41.948, 68.095
Yxy	60.6252, 0.4145, 0.3911
Android (android.graphics.Color)	4294951044 (0xFFFFC084)
YUV	203.9970, -35.4945, 44.7296
Hunter-Lab	77.8622, 11.0454, 31.5488

Details

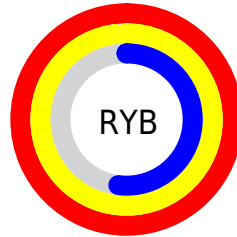
The XYZ color **64.2545, 60.6252, 30.1451** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.0800, 51.1537, 101.9998**, and the grayscale version is **57.5861, 60.5850, 65.9771**.

A 20% lighter version of the original color is **83.6703, 91.9400, 59.7907**, and **33.3386, 30.5068, 11.9158** is the 20% darker color. If you saturate the color by 10%, you get **59.9771, 54.5299, 21.1372**, and if you desaturate by 10%, it is **69.2159, 67.4059, 41.4861**.

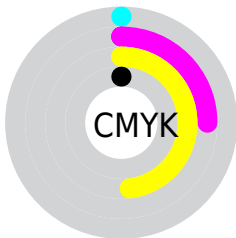
Distribution



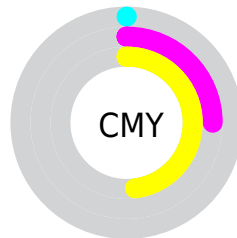
- Red (100%)
- Green (75%)
- Blue (52%)



- Red (100%)
- Yellow (98%)
- 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 64.2545, 60.6252, 30.1451 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 64.2545, 60.6252, 30.1451 by changing the saturation by 10% instead.


 64.2545, 60.6252,
30.1451

 64.2545, 60.6252,
30.1451


429.6958,
426.8984, 316.8085


 47.1193, 43.9228,
19.6958


 110.0491,
105.7361, 60.9553

 33.3383, 30.6098,
11.9922

 139.4391,
134.9133, 82.1532

 22.5462, 20.3019,
6.6159


 173.6448,
169.0176, 107.7711

 14.3776, 12.6147,
3.1483

213.0316,
208.4333, 138.2274

 8.4672, 7.1638,
1.1708

257.9647,
253.5448, 173.9408

 4.4497, 3.5647,
0.0000

308.8095,

 1.9595, 1.4332,

304.7366, 215.3298

0.0000

365.9314,
362.3930, 262.8128

0.6111, 0.2410,
0.0000

0.0000, 0.0000,
0.0000

64.2545, 60.6252,
30.1451

64.2545, 60.6252,
30.1451

59.9771, 54.5299,
21.1372

69.2159, 67.4059,
41.4861

56.3409, 49.0855,
14.2900

74.8915, 74.8872,
55.3083

53.3046, 44.2666,
9.4127

81.3149, 83.0947,
71.7520

50.8184, 40.0420,
6.2789

88.5161, 92.0499,
90.9455

■ 48.8162, 36.3732, 95.0499, 99.9999,
4.5771 108.9000

■ 48.4980, 35.7762,
4.3494

Harmonies

Analogous

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



72.1873, 60.6252, 40.1262



64.2545, 60.6252, 30.1451



55.2430, 60.6252, 28.3700

Triad

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



64.2545, 60.6252, 30.1451



42.2680, 60.6252, 73.1650



68.8542, 60.6252, 112.6538

Complementary

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



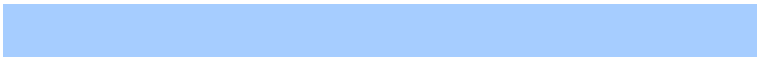
64.2545, 60.6252, 30.1451



47.0800, 51.1537, 101.9998

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.



60.0692, 60.6252, 127.4916



64.2545, 60.6252, 30.1451



45.1616, 60.6252, 101.1533

Square

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



64.2545, 60.6252, 30.1451



43.1413, 60.6252, 49.3427



51.4632, 60.6252, 122.8136



75.0278, 60.6252, 86.0637

Rectangle

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



64.2545, 60.6252, 30.1451



49.9236, 60.6252, 31.4928



51.4632, 60.6252, 122.8136



66.0747, 60.6252, 119.4568

Sweetspot

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



64.2560, 60.6281, 30.1463



84.2678, 86.7945, 79.5367



59.4042, 41.7281, 56.8803



17.7110, 18.1705, 16.1618



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.



64.2560, 60.6281, 30.1463



60.0700, 54.6654, 21.3230



80.5143, 93.1448, 35.5657



18.7409, 19.4500, 18.9108



25.4897, 18.9906, 2.3221



2.5907, 2.0669, 0.2624

Inverse Universe

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



47.0800, 51.1537, 101.9998



41.0273, 44.1558, 100.9683



36.0983, 29.1903, 98.3392



17.7723, 18.9162, 22.9644



13.7944, 12.4983, 51.1200



1.4525, 1.4357, 5.0138

Previews

White Background



This preview shows how the XYZ color 64.2545, 60.6252, 30.1451 looks on a white background.

Color Contrast Check

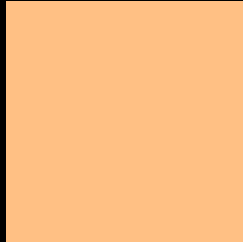
Large Text (above 18pt) WCAG AA × Fail

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 64.2545, 60.6252, 30.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

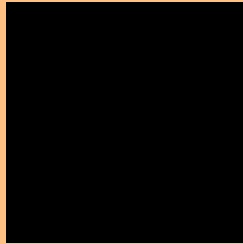
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2545, 60.6252, 30.1451

Background



This preview shows how black text looks on a background with the XYZ color 64.2545, 60.6252, 30.1451.



This preview shows how white text looks on a background with the XYZ color 64.2545, 60.6252,

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

64.2545, 60.6252, 30.1451

Protanopia

56.4709, 60.9984, 32.4644

Deuteranopia

62.1944, 60.8927, 29.9482



Tritanopia

69.1077, 60.5013, 62.0684

Trichromacy



Original Color

64.2545, 60.6252, 30.1451

Protanomaly

58.9591, 60.5502, 31.5016

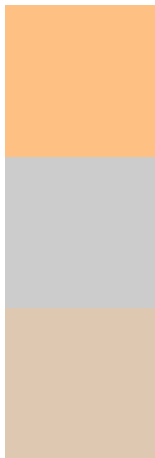
Deuteranomaly

63.0362, 60.9929, 29.9232

Tritanomaly

66.9611, 60.3216, 48.6714

Monochromacy



Original Color

64.2545, 60.6252, 30.1451

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 64.2545, 60.6252, 30.1451 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 132) }
```

Border

The CSS property to change the border of an element to XYZ 64.2545, 60.6252, 30.1451 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, 132) }
```


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

```
.border{ border-color:rgb(255, 192, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2545, 60.6252, 30.1451 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, 132) }
```

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

```
.background{ background-color: rgb(255,  
192, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor