

Converting Colors

XYZ(64.7986, 61.6335, 30.5729)

Have a look what the booklet for
XYZ(64.7986, 61.6335, 30.5729)
contains.

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Color

**XYZ(64.7654, 61.5370,
30.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC285
RGB	255, 194, 133
RGB Percent	100%, 76%, 52%
CMY	0.0000, 0.2392, 0.4784
CMYK	0.00, 0.24, 0.48, 0.00
HSL	30°, 100%, 76%
HSV	30°, 48%, 100%
XYZ	64.7654, 61.5370, 30.6546
YIQ	205.2850, 55.9370, -6.0390

Conversions

Conversions Part 2

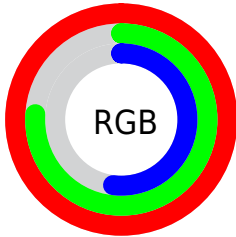
Format	Color
R _Y B	255, 255, 133
Decimal	16761477
CIE Lab	82.67, 14.70, 39.03
CIE LCh	83, 41.709, 69.366
Yxy	61.5370, 0.4126, 0.3921
Android (android.graphics.Color)	4294951557 (0xFFFFC285)
YUV	205.2850, -35.6365, 43.6001
Hunter-Lab	78.4455, 10.0917, 31.7428

Details

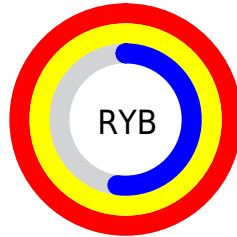
The XYZ color **64.7654, 61.5370, 30.6546** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.0138, 50.7880, 101.9326**, and the grayscale version is **58.4060, 61.4477, 66.9165**.

A 20% lighter version of the original color is **84.7068, 93.8422, 60.6625**, and **33.6660, 31.1011, 12.2114** is the 20% darker color. If you saturate the color by 10%, you get **60.4966, 55.4848, 21.5699**, and if you desaturate by 10%, it is **69.7083, 68.2531, 42.0749**.

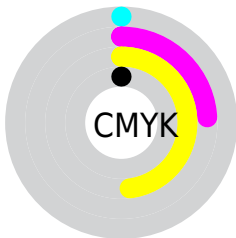
Distribution



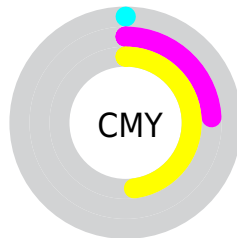
- Red (100%)
- Green (76%)
- Blue (52%)



- Red (100%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (24%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7654, 61.5370, 30.6546 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 64.7654, 61.5370, 30.6546 by changing the saturation by 10% instead.


 64.7654, 61.5370,
30.6546

 64.7654, 61.5370,
30.6546


431.5070,
430.2402, 319.2457


 47.5349, 44.6587,
20.0797


 110.7801,
107.0561, 61.7691

 33.6684, 31.1887,
12.2684


 140.2950,
136.4657, 83.1457

 22.8007, 20.7426,
6.8020


 174.6353,
170.8211, 108.9600

 14.5663, 12.9360,
3.2620

214.1666,
210.5068, 139.6306

 8.5999, 7.3845,
1.2299

259.2540,
255.9072, 175.5759

 4.5361, 3.7037,
0.0033

310.2629,

 2.0097, 1.5092,

307.4066, 217.2145

0.0000

367.5588,
365.3895, 264.9649

■ 0.6394, 0.2952,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7654, 61.5370,
30.6546

■ 64.7654, 61.5370,
30.6546

■ 60.4966, 55.4848,
21.5699

■ 69.7083, 68.2531,
42.0749

■ 56.8597, 50.0628,
14.6493

■ 75.3550, 75.6472,
55.9782

■ 53.8143, 45.2470,
9.7033

■ 81.7386, 83.7440,
72.5040

■ 51.3114, 41.0073,
6.5073

■ 88.8884, 92.5640,
91.7803

■ 49.2877, 37.3073,
4.7613

95.0499, 99.9999,
108.9000

■ 48.8955, 36.5713,
4.4819

Harmonies

Analogous

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



72.8274, 61.5370, 40.3534



64.7654, 61.5370, 30.6546



55.7331, 61.5370, 29.1914

Triad

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



64.7654, 61.5370, 30.6546



43.1000, 61.5370, 75.3477



70.0968, 61.5370, 112.7840

Complementary

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



64.7654, 61.5370, 30.6546



47.0138, 50.7880, 101.9326

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.



61.3344, 61.5370, 128.3422



64.7654, 61.5370, 30.6546



46.1682, 61.5370, 103.3755

Square

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



64.7654, 61.5370, 30.6546



43.8174, 61.5370, 51.0930



52.6319, 61.5370, 124.5177



76.1169, 61.5370, 85.9149

Rectangle

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



64.7654, 61.5370, 30.6546



50.4497, 61.5370, 32.5761



52.6319, 61.5370, 124.5177



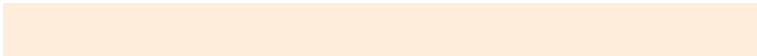
67.3401, 61.5370, 119.7859

Sweetspot

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



64.7669, 61.5400, 30.6558



84.3939, 87.0466, 79.5787



59.3654, 41.9306, 56.0039



17.7416, 18.2318, 16.1720



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.



64.7669, 61.5400, 30.6558



60.8315, 55.9702, 22.2493



81.2335, 94.4732, 36.1447



18.7598, 19.4879, 18.9171



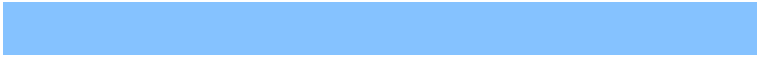
25.6984, 19.4079, 2.3917



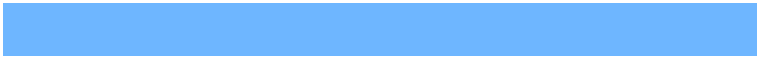
2.6114, 2.1081, 0.2693

Inverse Universe

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



47.0138, 50.7880, 101.9326



41.2301, 44.0989, 100.9466



36.1109, 28.9823, 98.2983



17.7533, 18.8783, 22.9581



13.5794, 12.0684, 51.0483



1.4314, 1.3935, 5.0068

Previews

White Background



This preview shows how the XYZ color 64.7654, 61.5370, 30.6546 looks on a white background.

Color Contrast Check

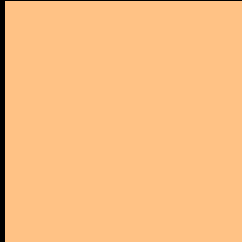
Large Text (above 18pt) WCAG AA × Fail

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 64.7654, 61.5370, 30.6546 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 64.7654, 61.5370, 30.6546

Background



This preview shows how black text looks on a background with the XYZ color 64.7654, 61.5370, 30.6546.



This preview shows how white text looks on a background with the XYZ color 64.7654, 61.5370,

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

64.7654, 61.5370, 30.6546

Protanopia

57.0902, 61.6656, 32.9384

Deuteranopia

62.8425, 61.5549, 30.3989



Tritanopia

69.7658, 61.4435, 63.4411

Trichromacy



Original Color

64.7654, 61.5370, 30.6546

Protanomaly

59.8254, 61.6808, 32.0450

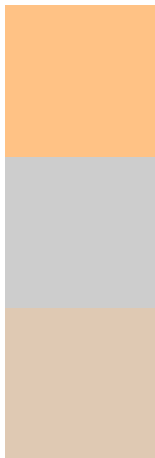
Deuteranomaly

63.6884, 61.6550, 30.3737

Tritanomaly

67.4899, 61.2215, 49.3341

Monochromacy



Original Color

64.7654, 61.5370, 30.6546

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

59.4548, 60.7159, 51.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7654, 61.5370, 30.6546 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, 194, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 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, 194, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 133) }
```

Border

The CSS property to change the border of an element to XYZ 64.7654, 61.5370, 30.6546 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, 194, 133) }
```


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

```
.border{ border-color:rgb(255, 194, 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, 194, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7654, 61.5370, 30.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 133) }
```

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

```
.background{ background-color: rgb(255,  
194, 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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