

Converting Colors

XYZ(64.5097, 61.0480, 30.5004)

Have a look what the booklet for
XYZ(64.5097, 61.0480, 30.5004)
contains.

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Color

**XYZ(64.5436, 61.0934,
30.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC185
RGB	255, 193, 133
RGB Percent	100%, 76%, 52%
CMY	0.0000, 0.2431, 0.4784
CMYK	0.00, 0.24, 0.48, 0.00
HSL	30°, 100%, 76%
HSV	30°, 48%, 100%
XYZ	64.5436, 61.0934, 30.5807
YIQ	204.6980, 56.2120, -5.5160

Conversions

Conversions Part 2

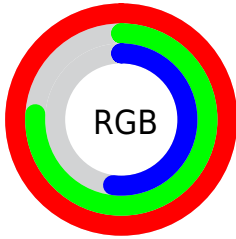
Format	Color
R _Y B	255, 251, 133
Decimal	16761221
CIE Lab	82.43, 15.22, 38.73
CIE LCh	82, 41.612, 68.546
Yxy	61.0934, 0.4132, 0.3911
Android (android.graphics.Color)	4294951301 (0xFFFFC185)
YUV	204.6980, -35.3471, 44.1149
Hunter-Lab	78.1623, 10.6149, 31.5166

Details

The XYZ color **64.5436, 61.0934, 30.5807** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.2371, 51.2346, 102.0070**, and the grayscale version is **58.0302, 61.0523, 66.4859**.

A 20% lighter version of the original color is **84.0853, 92.5992, 60.4554**, and **33.5206, 30.8102, 12.1629** is the 20% darker color. If you saturate the color by 10%, you get **60.2514, 54.9944, 21.4882**, and if you desaturate by 10%, it is **69.5175, 67.8714, 42.0113**.

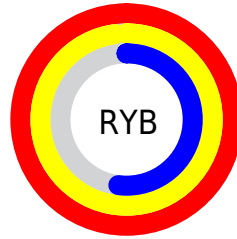
Distribution



Red (100%)

Green (76%)

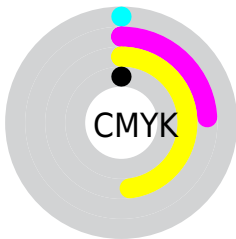
Blue (52%)



Red (100%)

Yellow (98%)

Blue (52%)

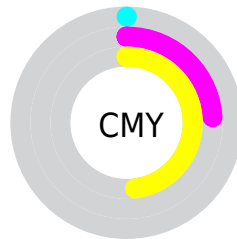


Cyan (0%)

Magenta (24%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5436, 61.0934, 30.5807 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 64.5436, 61.0934, 30.5807 by changing the saturation by 10% instead.


 64.5436, 61.0934,
30.5807


 64.5436, 61.0934,
30.5807


430.7212,
428.6164, 318.8931


 47.3544, 44.3005,
20.0240


 110.4628,
106.4142, 61.6511

 33.5250, 30.9069,
12.2282


 139.9235,
135.7109, 83.0019

 22.6901, 20.5279,
6.7749


 174.2055,
169.9443, 108.7879

 14.4843, 12.7794,
3.2454

213.6741,
209.4989, 139.4274

 8.5422, 7.2768,
1.2213

258.6946,
254.7590, 175.3392

 4.4985, 3.6358,
0.0000

309.6323,

 1.9878, 1.4720,

306.1090, 216.9417

0.0000

366.8528,
363.9333, 264.6535

0.6271, 0.2689,
0.0000

0.0000, 0.0000,
0.0000

64.5436, 61.0934,
30.5807

64.5436, 61.0934,
30.5807

60.2514, 54.9944,
21.4882

69.5175, 67.8714,
42.0113

56.5984, 49.5400,
14.5622

75.2030, 75.3432,
55.9275

53.5437, 44.7057,
9.6131

81.6336, 83.5340,
72.4690

51.0380, 40.4605,
6.4161

88.8389, 92.4649,
91.7639

■ 49.0176, 36.7672,
4.6713

95.0499, 99.9999,
108.9000

■ 48.6270, 36.0342,
4.3924

Harmonies

Analogous

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



72.4818, 61.0934, 40.4500



64.5436, 61.0934, 30.5807



55.5653, 61.0934, 28.9159

Triad

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



64.5436, 61.0934, 30.5807



42.7570, 61.0934, 74.0600



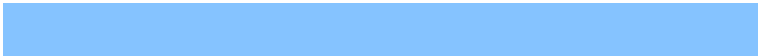
69.3784, 61.0934, 112.5998

Complementary

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



64.5436, 61.0934, 30.5807



47.2371, 51.2346, 102.0070

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.



60.6436, 61.0934, 127.5918



64.5436, 61.0934, 30.5807



45.7032, 61.0934, 101.9087

Square

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



64.5436, 61.0934, 30.5807



43.5728, 61.0934, 50.1800



52.0397, 61.0934, 123.2466



75.4653, 61.0934, 86.0709

Rectangle

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



64.5436, 61.0934, 30.5807



50.2794, 61.0934, 32.1298



52.0397, 61.0934, 123.2466



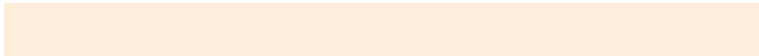
66.6208, 61.0934, 119.4280

Sweetspot

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



64.5451, 61.0963, 30.5819



84.3091, 86.8771, 79.5505



59.5954, 42.0226, 57.2151



17.7210, 18.1906, 16.1651



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.



64.5451, 61.0963, 30.5819



60.5879, 55.4831, 22.1681



80.5883, 93.1828, 35.9296



18.7471, 19.4624, 18.9129



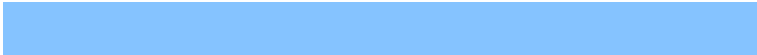
25.5574, 19.1261, 2.3447



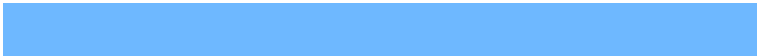
2.5975, 2.0803, 0.2646

Inverse Universe

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



47.2371, 51.2346, 102.0070



41.4757, 44.5901, 101.0285



36.3920, 29.5445, 98.3920



17.7661, 18.9037, 22.9624



13.7232, 12.3559, 51.0962



1.4455, 1.4217, 5.0115

Previews

White Background



This preview shows how the XYZ color 64.5436, 61.0934, 30.5807 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 64.5436, 61.0934, 30.5807 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 64.5436, 61.0934, 30.5807

Background



This preview shows how black text looks on a background with the XYZ color 64.5436, 61.0934, 30.5807.



This preview shows how white text looks on a background with the XYZ color 64.5436, 61.0934,

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

64.5436, 61.0934, 30.5807

Protanopia

56.8502, 61.1856, 32.8584

Deuteranopia

62.2626, 60.9200, 30.3069



Tritanopia

69.4357, 60.9708, 62.7525

Trichromacy



Original Color

64.5436, 61.0934, 30.5807

Protanomaly

59.5915, 61.2130, 31.9670

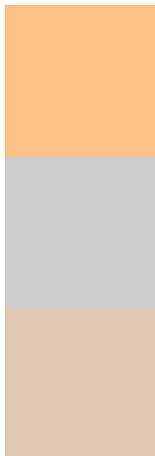
Deuteranomaly

63.1043, 61.0202, 30.2819

Tritanomaly

67.2741, 60.7898, 49.2622

Monochromacy



Original Color

64.5436, 61.0934, 30.5807

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 64.5436, 61.0934, 30.5807 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, 193, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 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, 193, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 133) }
```

Border

The CSS property to change the border of an element to XYZ 64.5436, 61.0934, 30.5807 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, 193, 133) }
```


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

```
.border{ border-color:rgb(255, 193, 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, 193, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5436, 61.0934, 30.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 133) }
```

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

```
.background{ background-color: rgb(255,  
193, 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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