

Converting Colors

XYZ(77.5337, 65.8124, 30.5940)

Have a look what the booklet for
XYZ(77.5337, 65.8124, 30.5940)
contains.

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Color

**XYZ(63.1752, 58.4666,
29.7853)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBB84
RGB	255, 187, 132
RGB Percent	100%, 73%, 52%
CMY	0.0000, 0.2666, 0.4823
CMYK	0.00, 0.27, 0.48, 0.00
HSL	27°, 100%, 76%
HSV	27°, 48%, 100%
XYZ	63.1752, 58.4666, 29.7853
YIQ	201.0620, 58.1830, -2.6890

Conversions

Conversions Part 2

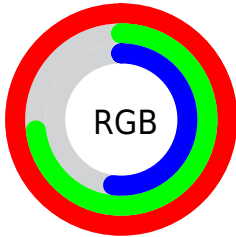
Format	Color
R _Y B	255, 231, 132
Decimal	16759684
CIE Lab	81.00, 18.26, 37.41
CIE LCh	81, 41.626, 63.978
Yxy	58.4666, 0.4172, 0.3861
Android (android.graphics.Color)	4294949764 (0xFFFFBB84)
YUV	201.0620, -34.0476, 47.3036
Hunter-Lab	76.4635, 13.6682, 30.4288

Details

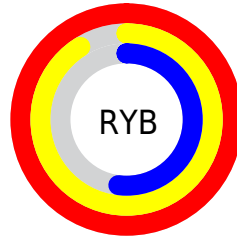
The XYZ color **63.1752, 58.4666, 29.7853** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.2191, 53.4319, 102.3795**, and the grayscale version is **55.7363, 58.6389, 63.8578**.

A 20% lighter version of the original color is **82.1535, 88.9064, 59.2851**, and **32.7753, 29.3800, 11.7281** is the 20% darker color. If you saturate the color by 10%, you get **58.7940, 52.1638, 20.7428**, and if you desaturate by 10%, it is **68.2793, 65.5328, 41.1738**.

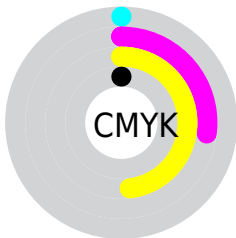
Distribution



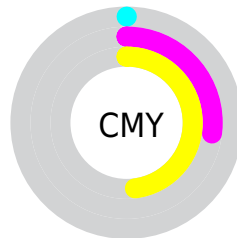
- Red (100%)
- Green (73%)
- Blue (52%)



- Red (100%)
- Yellow (91%)
- Blue (52%)



- Cyan (0%)
- Magenta (27%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1752, 58.4666, 29.7853 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 63.1752, 58.4666, 29.7853 by changing the saturation by 10% instead.


 63.1752, 58.4666,
29.7853


 63.1752, 58.4666,
29.7853


425.8546,
418.9223, 315.0785


 46.2421, 42.1839,
19.4250


 108.5026,
102.6020, 60.3795

 32.6424, 29.2453,
11.7979


 137.6277,
131.2235, 81.4504

 22.0105, 19.2665,
6.4853


 171.5475,
164.7267, 106.9287

 13.9813, 11.8630,
3.0689

210.6273,
203.4961, 137.2328

 8.1893, 6.6504,
1.1299

255.2326,
247.9159, 172.7813

 4.2691, 3.2445,
0.0000

305.7287,

 1.8555, 1.2607,

298.3706, 213.9927

0.0000

362.4809,
355.2446, 261.2856

■ 0.5508, 0.1104,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1752, 58.4666,
29.7853

■ 63.1752, 58.4666,
29.7853

■ 58.7940, 52.1638,
20.7428

■ 68.2793, 65.5328,
41.1738

■ 55.0914, 46.5864,
13.8734

■ 74.1386, 73.3814,
55.0573

■ 52.0239, 41.7052,
8.9858

■ 80.7881, 82.0412,
71.5763

■ 49.5398, 37.4848,
5.8527

■ 88.2595, 91.5367,
90.8598

■ 47.5706, 33.8820, 95.0499, 99.9999,
4.1619 108.9000

■ 47.2613, 33.3028,
3.9371

Harmonies

Analogous

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



70.5024, 58.4666, 40.6175



63.1752, 58.4666, 29.7853



54.4271, 58.4666, 27.0392

Triad

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



63.1752, 58.4666, 29.7853



40.6027, 58.4666, 67.0156



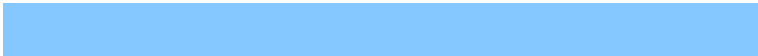
65.3729, 58.4666, 111.7753

Complementary

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



63.1752, 58.4666, 29.7853



48.2191, 53.4319, 102.3795

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.



56.7303, 58.4666, 123.8311



63.1752, 58.4666, 29.7853



42.9119, 58.4666, 94.0942

Square

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



63.1752, 58.4666, 29.7853



41.9498, 58.4666, 45.0001



48.6024, 58.4666, 116.6444



71.8606, 58.4666, 86.8747

Rectangle

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



63.1752, 58.4666, 29.7853



49.0946, 58.4666, 29.3557



48.6024, 58.4666, 116.6444



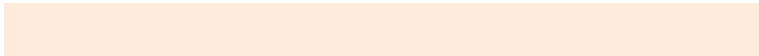
62.5928, 58.4666, 117.7203

Sweetspot

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



63.1766, 58.4694, 29.7864



83.8500, 85.9589, 79.3974



60.1167, 42.0131, 60.6323



17.6095, 17.9674, 16.1279



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.



63.1766, 58.4694, 29.7864



58.8890, 52.3033, 20.9293



78.6045, 89.3251, 34.9291



18.6781, 19.3245, 18.8899



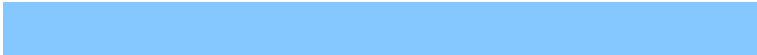
24.8390, 17.6891, 2.1052



2.5256, 1.9365, 0.2407

Inverse Universe

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



48.2191, 53.4319, 102.3795



42.2927, 46.6865, 101.3901



36.9736, 30.9409, 98.6310



17.8356, 19.0428, 22.9855



14.5570, 14.0236, 51.3742



1.5265, 1.5836, 5.0385

Previews

White Background



This preview shows how the XYZ color 63.1752, 58.4666, 29.7853 looks on a white background.

Color Contrast Check

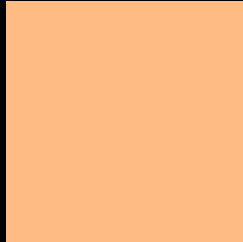
Large Text (above 18pt) WCAG AA × Fail

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 63.1752, 58.4666, 29.7853 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 63.1752, 58.4666, 29.7853

Background



This preview shows how black text looks on a background with the XYZ color 63.1752, 58.4666, 29.7853.



This preview shows how white text looks on a background with the XYZ color 63.1752, 58.4666,

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

63.1752, 58.4666, 29.7853

Protanopia

54.3875, 58.5137, 32.4725

Deuteranopia

59.7846, 58.6559, 29.6435



Tritanopia

67.7056, 58.6109, 58.7835

Trichromacy



Original Color

63.1752, 58.4666, 29.7853

Protanomaly

57.1389, 58.2464, 31.5237

Deuteranomaly

61.0853, 58.6745, 29.5785

Tritanomaly

65.7312, 58.4813, 46.3517

Monochromacy



Original Color

63.1752, 58.4666, 29.7853

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

57.3952, 57.9866, 49.2418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1752, 58.4666, 29.7853 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, 187, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 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, 187, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 132) }
```

Border

The CSS property to change the border of an element to XYZ 63.1752, 58.4666, 29.7853 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, 187, 132) }
```


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

```
.border{ border-color:rgb(255, 187, 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, 187, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1752, 58.4666, 29.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 132) }
```

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

```
.background{ background-color: rgb(255,  
187, 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](#).

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