

Converting Colors

XYZ(159.3831, 108.5881,
36.0435)

Have a look what the booklet for
XYZ(159.3831, 108.5881, 36.0435)
contains.

XYZ(63.9530, 59.4613, 31.7734)	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(63.9530, 59.4613,
31.7734)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBD89
RGB	255, 189, 137
RGB Percent	100%, 74%, 54%
CMY	0.0000, 0.2588, 0.4627
CMYK	0.00, 0.26, 0.46, 0.00
HSL	26°, 100%, 77%
HSV	26°, 46%, 100%
XYZ	63.9530, 59.4613, 31.7734
YIQ	202.8060, 56.0280, -2.1800

Conversions

Conversions Part 2

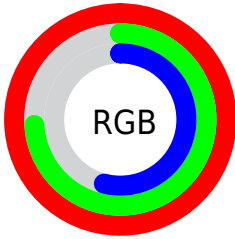
Format	Color
R _Y B	255, 230, 137
Decimal	16760201
CIE Lab	81.54, 17.69, 35.52
CIE LCh	82, 39.683, 63.530
Yxy	59.4613, 0.4121, 0.3832
Android (android.graphics.Color)	4294950281 (0xFFFFBD89)
YUV	202.8060, -32.4424, 45.7741
Hunter-Lab	77.1112, 13.0965, 29.5476

Details

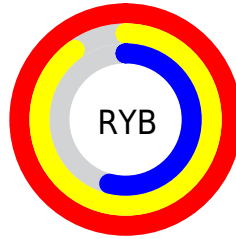
The XYZ color **63.9530, 59.4613, 31.7734** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.7217, 55.2482, 102.6511**, and the grayscale version is **56.8168, 59.7757, 65.0957**.

A 20% lighter version of the original color is **83.2964, 90.3264, 62.3348**, and **33.2488, 30.0160, 12.8454** is the 20% darker color. If you saturate the color by 10%, you get **59.4173, 52.9795, 22.2787**, and if you desaturate by 10%, it is **69.2256, 66.7251, 43.6474**.

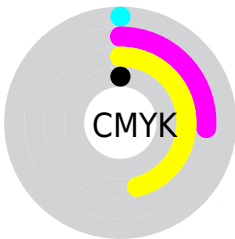
Distribution



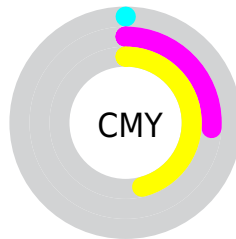
- Red (100%)
- Green (74%)
- Blue (54%)



- Red (100%)
- Yellow (90%)
- Blue (54%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9530, 59.4613, 31.7734 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 63.9530, 59.4613, 31.7734 by changing the saturation by 10% instead.


 63.9530, 59.4613,
31.7734

 63.9530, 59.4613,
31.7734


428.6248,
422.6093, 324.5466


 46.8741, 42.9846,
20.9251


 109.6174,
104.0478, 63.5495

 33.1437, 29.8730,
12.8785


 138.9336,
132.9264, 85.3143

 22.3963, 19.7422,
7.2152


 173.0596,
166.7077, 111.5550

 14.2666, 12.2078,
3.5166

212.3609,
205.7762, 142.6903

 8.3893, 6.8854,
1.3641

257.2026,
250.5162, 179.1385

 4.3989, 3.3905,
0.1135

307.9503,

 1.9302, 1.3388,

301.3121, 221.3183

0.0000

364.9693,
358.5483, 269.6481

■ 0.5943, 0.1710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9530, 59.4613,
31.7734

■ 63.9530, 59.4613,
31.7734

■ 59.4173, 52.9795,
22.2787

■ 69.2256, 66.7251,
43.6474

■ 55.5746, 47.2415,
14.9939

■ 75.2669, 74.7901,
58.0469

■ 52.3821, 42.2178,
9.7329

■ 82.1119, 83.6853,
75.1104

■ 49.7893, 37.8731,
6.2763

■ 89.7920, 93.4356,
94.9651

■ 47.7351, 34.1669, 95.0500, 100.0000,
4.3518 108.9000

■ 47.0767, 32.9334,
3.8756

Harmonies

Analogous

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



70.9325, 59.4613, 42.5842



63.9530, 59.4613, 31.7734



55.5365, 59.4613, 28.9279

Triad

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



63.9530, 59.4613, 31.7734



42.0016, 59.4613, 67.6066



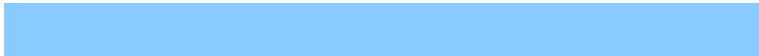
65.8243, 59.4613, 110.9529

Complementary

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



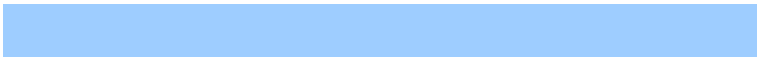
63.9530, 59.4613, 31.7734



49.7217, 55.2482, 102.6511

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.



57.5073, 59.4613, 122.1038



63.9530, 59.4613, 31.7734



44.1988, 59.4613, 93.5012

Square

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



63.9530, 59.4613, 31.7734



43.3676, 59.4613, 46.3891



49.6795, 59.4613, 115.0436



72.0853, 59.4613, 87.3940

Rectangle

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



63.9530, 59.4613, 31.7734



50.3652, 59.4613, 31.1593



49.6795, 59.4613, 115.0436



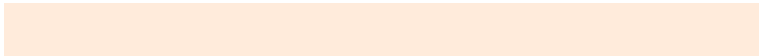
63.1486, 59.4613, 116.5072

Sweetspot

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



63.9545, 59.4642, 31.7746



83.7838, 85.8263, 79.3754



61.0691, 43.5051, 62.2220



17.5934, 17.9353, 16.1226



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.



63.9545, 59.4642, 31.7746



59.5321, 53.1470, 22.5084



79.0571, 89.6693, 36.8088



18.6682, 19.3045, 18.8866



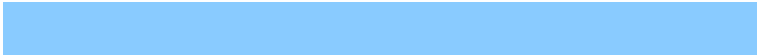
24.7416, 17.4943, 2.0727



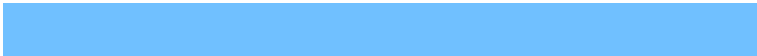
2.5157, 1.9167, 0.2374

Inverse Universe

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



49.7217, 55.2482, 102.6511



43.6214, 48.4055, 101.6518



38.4721, 32.7491, 98.9012



17.8457, 19.0631, 22.9889



14.6852, 14.2800, 51.4169



1.5388, 1.6082, 5.0426

Previews

White Background



This preview shows how the XYZ color 63.9530, 59.4613, 31.7734 looks on a white background.

Color Contrast Check

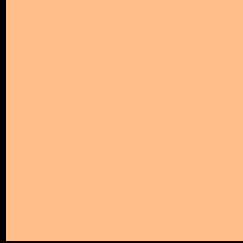
Large Text (above 18pt) WCAG AA × Fail

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 63.9530, 59.4613, 31.7734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

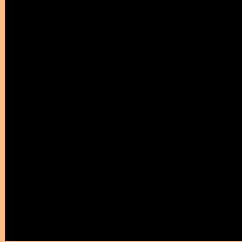
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9530, 59.4613, 31.7734

Background



This preview shows how black text looks on a background with the XYZ color 63.9530, 59.4613, 31.7734.



This preview shows how white text looks on a background with the XYZ color 63.9530, 59.4613,

31.7734.

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

63.9530, 59.4613, 31.7734

Protanopia

55.5273, 59.7551, 34.5939

Deuteranopia

60.6979, 59.4158, 31.5618



Tritanopia

68.3443, 59.5265, 60.1122

Trichromacy



Original Color

63.9530, 59.4613, 31.7734

Protanomaly

58.2805, 59.4671, 33.6059

Deuteranomaly

61.6513, 59.2510, 31.4798

Tritanomaly

66.5368, 59.4730, 48.5300

Monochromacy



Original Color

63.9530, 59.4613, 31.7734

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.4550, 59.1724, 50.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9530, 59.4613, 31.7734 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, 189, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 137)  
}
```

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, 189, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 137) }
```

Border

The CSS property to change the border of an element to XYZ 63.9530, 59.4613, 31.7734 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, 189, 137) }
```


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

```
.border{ border-color:rgb(255, 189, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 189, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 189, 137); box-shadow:4px 4px 4px 4px rgb(255, 189, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9530, 59.4613, 31.7734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 137) }
```

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

```
.background{ background-color: rgb(255,  
189, 137) }
```

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