

Converting Colors

XYZ(68.9436, 61.9166, 33.9521)

Have a look what the booklet for
XYZ(68.9436, 61.9166, 33.9521)
contains.

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Color

**XYZ(64.3201, 59.6082,
33.7067)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBD8E
RGB	255, 189, 142
RGB Percent	100%, 74%, 56%
CMY	0.0000, 0.2588, 0.4431
CMYK	0.00, 0.26, 0.44, 0.00
HSL	25°, 100%, 78%
HSV	25°, 44%, 100%
XYZ	64.3201, 59.6082, 33.7067
YIQ	203.3760, 54.4230, -0.6250

Conversions

Conversions Part 2

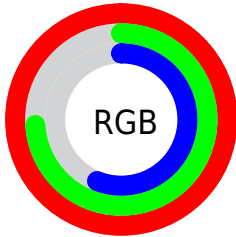
Format	Color
R _Y B	255, 222, 142
Decimal	16760206
CIE Lab	81.62, 18.18, 33.02
CIE LCh	82, 37.696, 61.169
Yxy	59.6082, 0.4080, 0.3781
Android (android.graphics.Color)	4294950286 (0xFFFFBD8E)
YUV	203.3760, -30.2584, 45.2742
Hunter-Lab	77.2063, 13.5961, 28.1597

Details

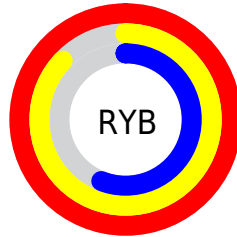
The XYZ color **64.3201, 59.6082, 33.7067** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.7603, 58.0802, 103.0901**, and the grayscale version is **57.1629, 60.1398, 65.4922**.

A 20% lighter version of the original color is **83.8562, 90.5503, 65.2828**, and **33.4574, 30.0994, 13.9439** is the 20% darker color. If you saturate the color by 10%, you get **59.5797, 52.8489, 23.7371**, and if you desaturate by 10%, it is **69.8304, 67.2064, 46.0946**.

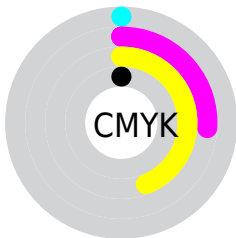
Distribution



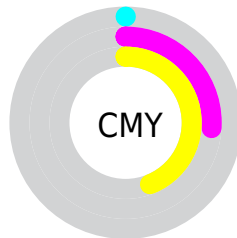
- Red (100%)
- Green (74%)
- Blue (56%)



- Red (100%)
- Yellow (87%)
- Blue (56%)



- Cyan (0%)
- Magenta (26%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3201, 59.6082, 33.7067 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 64.3201, 59.6082, 33.7067 by changing the saturation by 10% instead.


 64.3201, 59.6082,
33.7067

 64.3201, 59.6082,
33.7067


429.9286,
423.1521, 333.5514

 47.1726, 43.1029,
22.3928


 110.1430,
104.2611, 66.6060

 33.3807, 29.9659,
13.9448


 139.5491,
133.1775, 89.0285

 22.5789, 19.8127,
7.9439


173.7721,
166.9997, 115.9909

 14.4018, 12.2590,
3.9718

213.1774,
206.1122, 147.9119

 8.4842, 6.9203,
1.6099

258.1304,
250.8993, 185.2098

 4.4607, 3.4123,
0.2979

308.9963,

 1.9659, 1.3506,

301.7453, 228.3034

0.0000

366.1406,
359.0348, 277.6111

0.6147, 0.1799,
0.0000

0.0000, 0.0000,
0.0000

64.3201, 59.6082,
33.7067

64.3201, 59.6082,
33.7067

59.5797, 52.8489,
23.7371

69.8304, 67.2064,
46.0946

55.5646, 46.8879,
16.0196

76.1430, 75.6647,
61.0447

52.2319, 41.6938,
10.3724

83.2936, 85.0142,
78.6938

49.5309, 37.2290,
6.5830

91.3143, 95.2817,
99.1678

■ 47.4015, 33.4508, 95.0499, 100.0000,
4.3919 108.9000

■ 46.4017, 31.5834,
3.6506

Harmonies

Analogous

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



70.7082, 59.6082, 44.8491



64.3201, 59.6082, 33.7067



56.3458, 59.6082, 30.3390

Triad

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



64.3201, 59.6082, 33.7067



42.7555, 59.6082, 65.7967



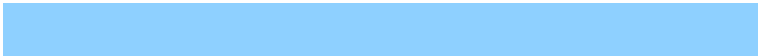
64.9073, 59.6082, 109.8217

Complementary

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



64.3201, 59.6082, 33.7067



51.7603, 58.0802, 103.0901

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.



56.9669, 59.6082, 118.9912



64.3201, 59.6082, 33.7067



44.6007, 59.6082, 90.1893

Square

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



64.3201, 59.6082, 33.7067



44.3364, 59.6082, 46.0640



49.6259, 59.6082, 111.0896



71.0688, 59.6082, 88.2845

Rectangle

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



64.3201, 59.6082, 33.7067



51.3333, 59.6082, 32.1404



49.6259, 59.6082, 111.0896



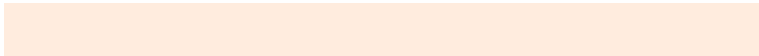
62.3340, 59.6082, 114.6509

Sweetspot

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



64.3216, 59.6111, 33.7079



84.2965, 86.3095, 81.2184



62.5212, 45.2497, 66.2814



17.6839, 18.0097, 16.4817



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.



64.3216, 59.6111, 33.7079



60.1601, 53.6904, 24.9141



78.3830, 87.7340, 38.3950



18.6301, 19.2284, 18.8739



24.3851, 16.7813, 1.9539



2.4791, 1.8436, 0.2252

Inverse Universe

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



51.7603, 58.0802, 103.0901



46.1479, 51.9482, 102.2025



40.6463, 35.8523, 99.3855



17.8845, 19.1406, 23.0018



15.1920, 15.2935, 51.5858



1.5871, 1.7049, 5.0587

Previews

White Background



This preview shows how the XYZ color 64.3201, 59.6082, 33.7067 looks on a white background.

Color Contrast Check

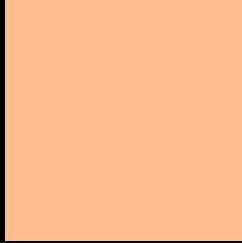
Large Text (above 18pt) WCAG AA × Fail

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 64.3201, 59.6082, 33.7067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

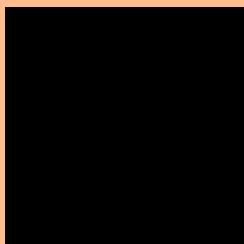
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3201, 59.6082, 33.7067

Background



This preview shows how black text looks on a background with the XYZ color 64.3201, 59.6082, 33.7067.



This preview shows how white text looks on a background with the XYZ color 64.3201, 59.6082,

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

64.3201, 59.6082, 33.7067

Protanopia

55.6147, 59.7554, 36.6197

Deuteranopia

60.7175, 59.3839, 33.4614



Tritanopia

68.3443, 59.5265, 60.1122

Trichromacy



Original Color

64.3201, 59.6082, 33.7067

Protanomaly

58.3374, 59.4524, 35.5949

Deuteranomaly

62.0151, 59.3965, 33.3954

Tritanomaly

66.6354, 59.5124, 49.0493

Monochromacy



Original Color

64.3201, 59.6082, 33.7067

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.6588, 59.2540, 52.0616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3201, 59.6082, 33.7067 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 142) }
```

Border

The CSS property to change the border of an element to XYZ 64.3201, 59.6082, 33.7067 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, 142) }
```


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

```
.border{ border-color:rgb(255, 189, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3201, 59.6082, 33.7067 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
189, 142) }
```

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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