

Converting Colors

XYZ(67.8819, 65.8083, 47.5510)

Have a look what the booklet for
XYZ(67.8819, 65.8083, 47.5510)
contains.

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Color

**XYZ(67.7735, 65.7919,
47.6551)**

Conversions

Conversions Part 1

Format	Color
Hex	F9CBAB
RGB	249, 203, 171
RGB Percent	98%, 80%, 67%
CMY	0.0235, 0.2039, 0.3294
CMYK	0.00, 0.18, 0.31, 0.02
HSL	25°, 87%, 82%
HSV	25°, 31%, 98%
XYZ	67.7735, 65.7919, 47.6551
YIQ	213.1060, 37.6880, -0.2000

Conversions

Conversions Part 2

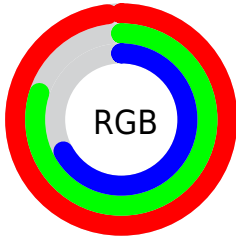
Format	Color
R _Y B	249, 225, 171
Decimal	16370603
CIE Lab	84.89, 11.82, 22.10
CIE LCh	85, 25.063, 61.853
Yxy	65.7919, 0.3740, 0.3630
Android (android.graphics.Color)	4294560683 (0xFFF9CBAB)
YUV	213.1060, -20.7583, 31.4790
Hunter-Lab	81.1122, 7.1997, 21.9444

Details

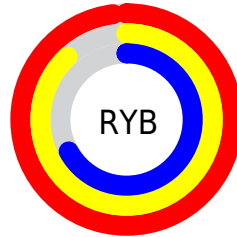
The XYZ color **67.7735, 65.7919, 47.6551** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.7055, 65.1209, 99.0980**, and the grayscale version is **63.4351, 66.7386, 72.6784**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.5631, 33.9032, 22.1224** is the 20% darker color. If you saturate the color by 10%, you get **62.3155, 58.3230, 35.2087**, and if you desaturate by 10%, it is **74.0104, 74.1026, 62.5683**.

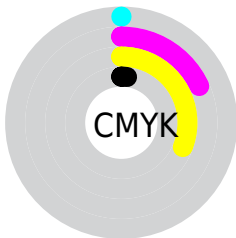
Distribution



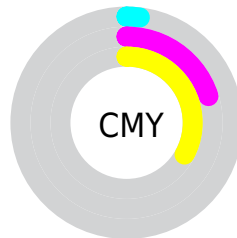
- Red (98%)
- Green (80%)
- Blue (67%)



- Red (98%)
- Yellow (88%)
- Blue (67%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)
- Black (2%)





- Cyan (2%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7735, 65.7919, 47.6551 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 67.7735, 65.7919, 47.6551 by changing the saturation by 10% instead.


 67.7735, 65.7919,
47.6551

 67.7735, 65.7919,
47.6551


442.0824,
445.6323, 393.8926

 49.9865, 48.1035,
33.1958


 115.0718,
113.1876, 88.0509

 35.6204, 33.9089,
22.0041


145.3137,
143.6637, 114.8244

 24.3099, 22.8236,
13.6616


180.4380,
179.1711, 146.5397

 15.6897, 14.4633,
7.7496

220.8100,
220.0943, 183.6154

 9.3943, 8.4436,
3.8497

266.7951,
266.8176, 226.4700

 5.0584, 4.3801,
1.5433

318.7587,

 2.3167, 1.8884,

319.7254, 275.5220

0.2498

377.0660,
379.2022, 331.1901

■ 0.8032, 0.5414,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7735, 65.7919,
47.6551

■ 67.7735, 65.7919,
47.6551

■ 62.3155, 58.3230,
35.2087

■ 74.0104, 74.1026,
62.5683

■ 57.5972, 51.6586,
25.0895

■ 81.0531, 83.2726,
80.0694

■ 53.5830, 45.7716,
17.1499

■ 88.9333, 93.3304,
100.2761

■ 50.2321, 40.6297,
11.2238

■ 92.8769, 98.8797,
108.7983

■ 47.4985, 36.1979,
7.1204

■ 45.3283, 32.4369,
4.6109

■ 43.8351, 29.6762,
3.4177

Harmonies

Analogous

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



72.1739, 65.7919, 56.5058



67.7735, 65.7919, 47.6551



62.1842, 65.7919, 44.9306

Triad

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



67.7735, 65.7919, 47.6551



52.3374, 65.7919, 72.6423



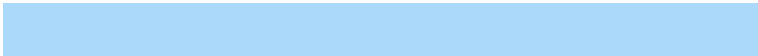
68.4145, 65.7919, 101.2879

Complementary

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



67.7735, 65.7919, 47.6551



58.7055, 65.1209, 99.0980

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.



62.8835, 65.7919, 107.2554



67.7735, 65.7919, 47.6551



53.7917, 65.7919, 89.2518

Square

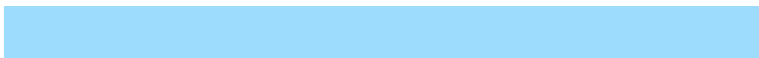
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7735, 65.7919, 47.6551



53.4761, 65.7919, 57.9995



57.5703, 65.7919, 102.5546



72.5593, 65.7919, 87.2585

Rectangle

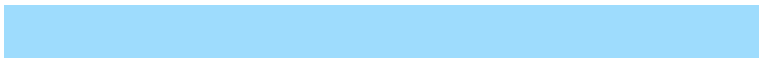
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7735, 65.7919, 47.6551



58.5944, 65.7919, 46.5686



57.5703, 65.7919, 102.5546



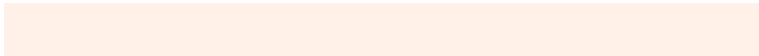
66.6447, 65.7919, 104.3904

Sweetspot

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



67.7752, 65.7950, 47.6564



87.4063, 90.2765, 89.1995



66.2590, 54.3177, 73.1851



18.4587, 19.0019, 18.4582



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.



67.7752, 65.7950, 47.6564



67.5824, 64.0565, 41.1951



77.9323, 86.1092, 51.0422



17.8295, 18.3949, 18.0732



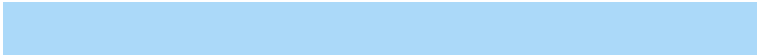
23.5959, 16.1484, 1.8733



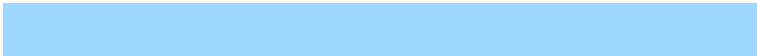
2.2868, 1.6985, 0.2073

Inverse Universe

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



58.7055, 65.1209, 99.0980



56.5317, 63.2222, 103.8313



49.9742, 47.6583, 96.1876



17.1338, 18.3445, 22.0231



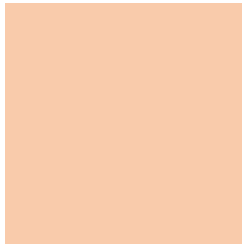
14.8669, 15.0893, 50.1025



1.4812, 1.6062, 4.6751

Previews

White Background



This preview shows how the XYZ color 67.7735, 65.7919, 47.6551 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 67.7735, 65.7919, 47.6551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

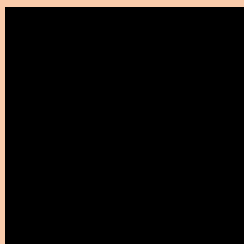
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7735, 65.7919, 47.6551

Background



This preview shows how black text looks on a background with the XYZ color 67.7735, 65.7919, 47.6551.



This preview shows how white text looks on a background with the XYZ color 67.7735, 65.7919,

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

67.7735, 65.7919, 47.6551

Protanopia

62.0218, 66.0294, 50.0335

Deuteranopia

67.3013, 65.9002, 47.7009



Tritanopia

72.7230, 65.7568, 71.1468

Trichromacy



Original Color

67.7735, 65.7919, 47.6551

Protanomaly

64.0447, 65.9806, 49.4044

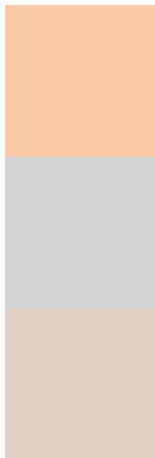
Deuteranomaly

67.6550, 66.0825, 47.7175

Tritanomaly

70.6464, 65.5735, 61.7568

Monochromacy



Original Color

67.7735, 65.7919, 47.6551

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.3575, 65.8469, 62.7438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7735, 65.7919, 47.6551 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(249, 203, 171)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 171)  
}
```

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(249, 203, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 171) }
```

Border

The CSS property to change the border of an element to XYZ 67.7735, 65.7919, 47.6551 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(249, 203, 171) }
```


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

```
.border{ border-color:rgb(249, 203, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 171);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7735, 65.7919, 47.6551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 171) }
```

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

```
.background{ background-color: rgb(249,  
203, 171) }
```

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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