

Converting Colors

XYZ(67.1822, 60.4615, 49.6774)

Have a look what the booklet for
XYZ(67.1822, 60.4615, 49.6774)
contains.

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Color

**XYZ(67.1590, 60.4008,
49.7138)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBCB1
RGB	255, 188, 177
RGB Percent	100%, 74%, 69%
CMY	0.0000, 0.2627, 0.3059
CMYK	0.00, 0.26, 0.31, 0.00
HSL	8°, 100%, 85%
HSV	8°, 31%, 100%
XYZ	67.1590, 60.4008, 49.7138
YIQ	206.7790, 43.4630, 10.7830

Conversions

Conversions Part 2

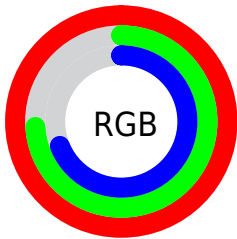
Format	Color
R_{YB}	255, 190, 177
Decimal	16759985
CIE Lab	82.06, 22.69, 15.06
CIE LCh	82, 27.228, 33.570
Yxy	60.4008, 0.3788, 0.3407
Android (android.graphics.Color)	4294950065 (0xFFFFBCB1)
YUV	206.7790, -14.6810, 42.2898
Hunter-Lab	77.7180, 18.2421, 16.4766

Details

The XYZ color **67.1590, 60.4008, 49.7138** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.5309, 81.2655, 106.6816**, and the grayscale version is **59.2392, 62.3243, 67.8711**.

A 20% lighter version of the original color is **88.2987, 91.8446, 90.1647**, and **35.1891, 30.3757, 23.0772** is the 20% darker color. If you saturate the color by 10%, you get **60.5220, 50.8211, 36.1117**, and if you desaturate by 10%, it is **74.9842, 71.5962, 66.0562**.

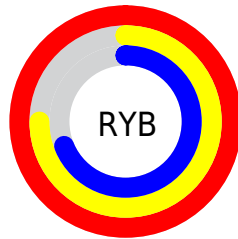
Distribution



Red (100%)

Green (74%)

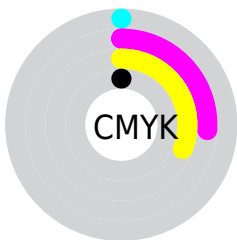
Blue (69%)



Red (100%)

Yellow (75%)

Blue (69%)

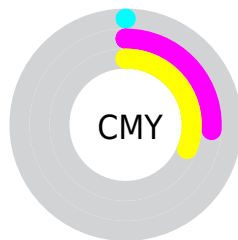


Cyan (0%)

Magenta (26%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1590, 60.4008, 49.7138 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 67.1590, 60.4008, 49.7138 by changing the saturation by 10% instead.


 67.1590, 60.4008,
49.7138

 67.1590, 60.4008,
49.7138


439.9341,
426.0735, 402.2486

 49.4850, 43.7418,
34.8165


 114.1968,
105.4109, 91.1426

 35.2205, 30.4676,
23.2391


144.2912,
134.5307, 118.5112

 24.0001, 20.1937,
14.5632


179.2566,
168.5729, 150.8739

 15.4584, 12.5360,
8.3702

219.4582,
207.9219, 188.6493

 9.2302, 7.1098,
4.2416

265.2614,
252.9620, 232.2559

 4.9499, 3.5309,
1.7588

317.0316,

 2.2524, 1.4148,

304.0778, 282.1123

0.4006

375.1340,
361.6535, 338.6371

■ 0.7701, 0.2276,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1590, 60.4008,
49.7138

■ 67.1590, 60.4008,
49.7138

■ 60.5220, 50.8211,
36.1117

■ 74.9842, 71.5962,
66.0562

■ 55.0099, 42.7743,
25.0961

■ 84.0472, 84.4682,
85.2740

■ 50.5611, 36.1828,
16.5033

■ 94.4004, 99.0853,
107.4978

■ 47.1055, 30.9590,
10.1498

■ 95.0500, 100.0000,
108.9000

■ 44.5648, 27.0056,
5.8253

■ 42.8480, 24.2122,
3.2793

■ 41.8702, 22.5205,
2.1401

Harmonies

Analogous

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



69.2102, 60.4008, 63.8074



67.1590, 60.4008, 49.7138



62.4907, 60.4008, 41.2179

Triad

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



67.1590, 60.4008, 49.7138



48.0357, 60.4008, 52.6122



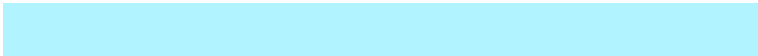
58.1028, 60.4008, 102.8517

Complementary

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



67.1590, 60.4008, 49.7138



68.5309, 81.2655, 106.6816

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.



52.6108, 60.4008, 98.5221



67.1590, 60.4008, 49.7138



47.0321, 60.4008, 67.7647

Square

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



67.1590, 60.4008, 49.7138



51.4899, 60.4008, 42.6840



48.6518, 60.4008, 84.9482



63.7655, 60.4008, 95.9543

Rectangle

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



67.1590, 60.4008, 49.7138



58.6607, 60.4008, 38.9739



48.6518, 60.4008, 84.9482



56.1755, 60.4008, 102.6656

Sweetspot

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



67.1606, 60.4036, 49.7150



85.6035, 86.6708, 88.5985



73.3829, 59.2730, 93.6397



18.0171, 18.1187, 18.3110



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.



67.1606, 60.4036, 49.7150



62.7710, 54.0784, 40.6864



76.4813, 79.0452, 52.8219



18.2161, 18.4003, 18.7359



21.9404, 11.8920, 1.1390



2.1958, 1.2769, 0.1307

Inverse Universe

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



68.5309, 81.2655, 106.6816



64.3368, 78.0793, 106.2876



58.1571, 60.5180, 103.2237



18.3235, 20.0187, 23.1482



22.7546, 30.4187, 54.1067



2.2729, 3.0765, 5.2873

Previews

White Background



This preview shows how the XYZ color 67.1590, 60.4008, 49.7138 looks on a white background.

Color Contrast Check

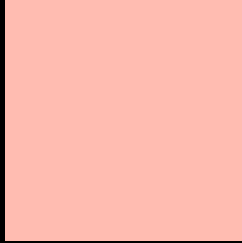
Large Text (above 18pt) WCAG AA × Fail

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 67.1590, 60.4008, 49.7138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

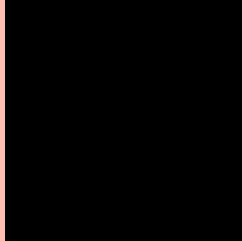
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1590, 60.4008, 49.7138

Background



This preview shows how black text looks on a background with the XYZ color 67.1590, 60.4008, 49.7138.



This preview shows how white text looks on a background with the XYZ color 67.1590, 60.4008,

49.7138.

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

67.1590, 60.4008, 49.7138

Protanopia

57.7904, 60.8346, 54.5953

Deuteranopia

61.9651, 60.6898, 49.0058



Tritanopia

69.1077, 60.5013, 62.0684

Trichromacy



Original Color

67.1590, 60.4008, 49.7138

Protanomaly

60.6325, 60.2595, 52.6915

Deuteranomaly

63.7462, 60.5954, 49.4106

Tritanomaly

68.4143, 60.5622, 57.3741

Monochromacy



Original Color

67.1590, 60.4008, 49.7138

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

61.3586, 61.1414, 60.7921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1590, 60.4008, 49.7138 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, 188, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 177)  
}
```

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, 188, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 177) }
```

Border

The CSS property to change the border of an element to XYZ 67.1590, 60.4008, 49.7138 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, 188, 177) }
```


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

```
.border{ border-color:rgb(255, 188, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1590, 60.4008, 49.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 177) }
```

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

```
.background{ background-color: rgb(255,  
188, 177) }
```

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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