

Converting Colors

XYZ(69.6557, 62.4687, 49.8420)

Have a look what the booklet for
XYZ(69.6557, 62.4687, 49.8420)
contains.

XYZ(67.5893, 61.2612, 49.8572)	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(67.5893, 61.2612,
49.8572)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBEB1
RGB	255, 190, 177
RGB Percent	100%, 75%, 69%
CMY	0.0000, 0.2549, 0.3059
CMYK	0.00, 0.25, 0.31, 0.00
HSL	10°, 100%, 85%
HSV	10°, 31%, 100%
XYZ	67.5893, 61.2612, 49.8572
YIQ	207.9530, 42.9130, 9.7370

Conversions

Conversions Part 2

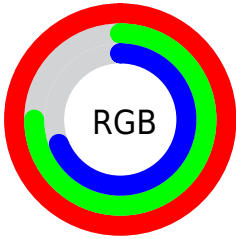
Format	Color
R _Y B	255, 193, 177
Decimal	16760497
CIE Lab	82.52, 21.64, 15.71
CIE LCh	83, 26.738, 35.975
Yxy	61.2612, 0.3782, 0.3428
Android (android.graphics.Color)	4294950577 (0xFFFFBEB1)
YUV	207.9530, -15.2598, 41.2602
Hunter-Lab	78.2695, 17.1712, 17.0213

Details

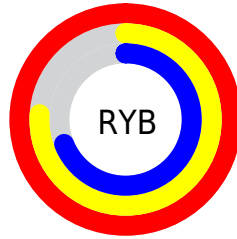
The XYZ color **67.5893, 61.2612, 49.8572** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.9325, 80.0687, 106.4821**, and the grayscale version is **60.0013, 63.1261, 68.7443**.

A 20% lighter version of the original color is **89.2087, 93.6647, 90.4681**, and **35.4682, 30.9339, 23.1702** is the 20% darker color. If you saturate the color by 10%, you get **61.0097, 51.7966, 36.2743**, and if you desaturate by 10%, it is **75.3177, 72.2632, 66.1674**.

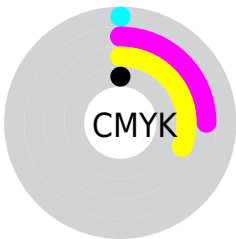
Distribution



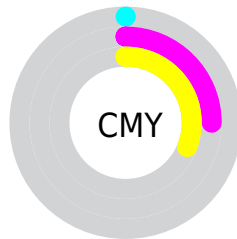
- Red (100%)
- Green (75%)
- Blue (69%)



- Red (100%)
- Yellow (76%)
- Blue (69%)



- Cyan (0%)
- Magenta (25%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5893, 61.2612, 49.8572 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 67.5893, 61.2612, 49.8572 by changing the saturation by 10% instead.

 67.5893, 61.2612,
49.8572

 67.5893, 61.2612,
49.8572


441.4391,
429.2311, 402.8263

 49.8361, 44.4360,
34.9296


 114.8096,
106.6570, 91.3574

 35.5005, 31.0134,
23.3255


145.0074,
135.9965, 118.7670

 24.2170, 20.6091,
14.6265


180.0841,
170.2761, 151.1744

 15.6203, 12.8385,
8.4140

220.4051,
209.8803, 188.9980

 9.3450, 7.3175,
4.2694

266.3358,
255.1935, 232.6565

 5.0258, 3.6614,
1.7743

318.2414,

 2.2973, 1.4860,

306.6001, 282.5684

0.4109

376.4874,
364.4845, 339.1521

■ 0.7933, 0.2789,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5893, 61.2612,
49.8572

■ 67.5893, 61.2612,
49.8572

■ 61.0097, 51.7966,
36.2743

■ 75.3177, 72.2632,
66.1674

■ 55.5191, 43.7927,
25.2658

■ 84.2422, 84.8583,
85.3391

■ 51.0589, 37.1785,
16.6693

■ 94.4126, 99.1097,
107.5019

■ 47.5629, 31.8738,
10.3023

■ 95.0500, 100.0000,
108.9000

■ 44.9571, 27.7902,
5.9561

■ 43.1557, 24.8276,
3.3819

■ 42.0864, 22.9528,
2.2121

Harmonies

Analogous

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



69.8654, 61.2612, 63.4774



67.5893, 61.2612, 49.8572



62.8207, 61.2612, 41.8703

Triad

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



67.5893, 61.2612, 49.8572



48.7476, 61.2612, 54.6827



59.3794, 61.2612, 103.1927

Complementary

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



67.5893, 61.2612, 49.8572



67.9325, 80.0687, 106.4821

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.



53.8627, 61.2612, 99.8090



67.5893, 61.2612, 49.8572



47.9585, 61.2612, 70.0361

Square

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



67.5893, 61.2612, 49.8572



52.0018, 61.2612, 44.3205



49.7717, 61.2612, 86.9710



64.9300, 61.2612, 95.5805

Rectangle

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



67.5893, 61.2612, 49.8572



59.0024, 61.2612, 39.9566



49.7717, 61.2612, 86.9710



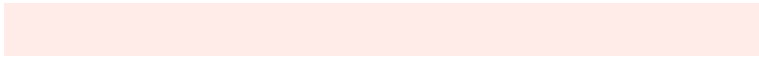
57.4583, 61.2612, 103.3177

Sweetspot

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



67.5908, 61.2640, 49.8584



85.7725, 87.0088, 88.6549



72.9895, 59.1157, 91.5681



18.0584, 18.2013, 18.3248



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.



67.5908, 61.2640, 49.8584



63.2424, 55.0212, 40.8435



77.1954, 80.4733, 53.0600



18.2540, 18.4762, 18.7485



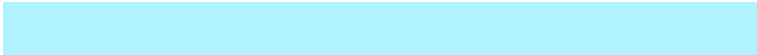
22.0623, 12.1358, 1.1796



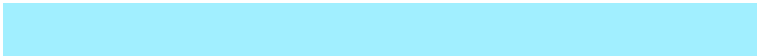
2.2136, 1.3125, 0.1367

Inverse Universe

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



67.9325, 80.0687, 106.4821



63.6228, 76.6513, 106.0496



57.5379, 59.2796, 103.0173



18.2819, 19.9354, 23.1343



21.8921, 28.6938, 53.8192



2.1969, 2.9246, 5.2620

Previews

White Background



This preview shows how the XYZ color 67.5893, 61.2612, 49.8572 looks on a white background.

Color Contrast Check

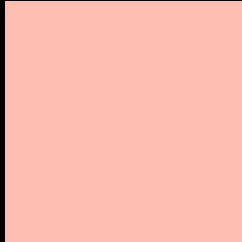
Large Text (above 18pt) WCAG AA × Fail

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 67.5893, 61.2612, 49.8572 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 67.5893, 61.2612, 49.8572

Background



This preview shows how black text looks on a background with the XYZ color 67.5893, 61.2612, 49.8572.



This preview shows how white text looks on a background with the XYZ color 67.5893, 61.2612,

49.8572.

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

67.5893, 61.2612, 49.8572

Protanopia

58.3198, 61.4616, 54.6884

Deuteranopia

62.6226, 61.3556, 49.6165



Tritanopia

69.7658, 61.4435, 63.4411

Trichromacy



Original Color

67.5893, 61.2612, 49.8572

Protanomaly

61.4109, 61.3440, 52.8598

Deuteranomaly

64.3137, 61.2195, 49.5011

Tritanomaly

68.9520, 61.4610, 58.0982

Monochromacy



Original Color

67.5893, 61.2612, 49.8572

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

62.0160, 61.8121, 61.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5893, 61.2612, 49.8572 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, 190, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 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, 190, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 177) }
```

Border

The CSS property to change the border of an element to XYZ 67.5893, 61.2612, 49.8572 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, 190, 177) }
```


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

```
.border{ border-color:rgb(255, 190, 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, 190, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5893, 61.2612, 49.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 177) }
```

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

```
.background{ background-color: rgb(255,  
190, 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](#).

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