

Converting Colors

XYZ(68.7640, 63.4379, 50.8272)

Have a look what the booklet for
XYZ(68.7640, 63.4379, 50.8272)
contains.

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Color

**XYZ(68.7910, 63.5046,
50.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3B2
RGB	255, 195, 178
RGB Percent	100%, 76%, 70%
CMY	0.0000, 0.2353, 0.3020
CMYK	0.00, 0.24, 0.30, 0.00
HSL	13°, 100%, 85%
HSV	13°, 30%, 100%
XYZ	68.7910, 63.5046, 50.7514
YIQ	211.0020, 41.2170, 7.4330

Conversions

Conversions Part 2

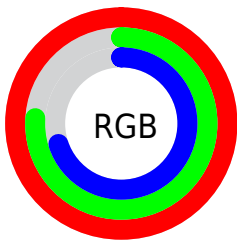
Format	Color
R _Y B	255, 200, 178
Decimal	16761778
CIE Lab	83.71, 19.15, 16.84
CIE LCh	84, 25.498, 41.332
Yxy	63.5046, 0.3758, 0.3469
Android (android.graphics.Color)	4294951858 (0xFFFFC3B2)
YUV	211.0020, -16.2700, 38.5862
Hunter-Lab	79.6898, 14.6303, 18.0233

Details

The XYZ color **68.7910, 63.5046, 50.7514** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.9835, 77.8313, 106.1003**, and the grayscale version is **62.0046, 65.2337, 71.0395**.

A 20% lighter version of the original color is **90.9017, 96.8213, 91.7393**, and **36.2525, 32.4007, 23.7453** is the 20% darker color. If you saturate the color by 10%, you get **62.3055, 54.2572, 37.1104**, and if you desaturate by 10%, it is **76.3480, 74.1329, 67.0989**.

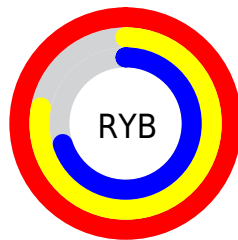
Distribution



Red (100%)

Green (76%)

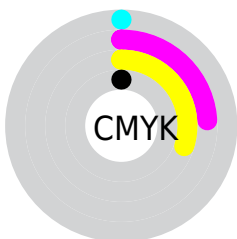
Blue (70%)



Red (100%)

Yellow (78%)

Blue (70%)

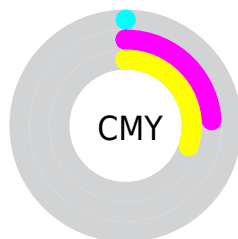


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7910, 63.5046, 50.7514 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 68.7910, 63.5046, 50.7514 by changing the saturation by 10% instead.


 68.7910, 63.5046,
50.7514

 68.7910, 63.5046,
50.7514


445.6264,
437.3985, 406.4161

 50.8175, 46.2495,
35.6354


 116.5187,
109.8972, 92.6949

 36.2839, 32.4428,
23.8653


147.0037,
139.8035, 120.3596

 24.8246, 21.6999,
15.0225


182.3899,
174.6957, 153.0442

 16.0745, 13.6366,
8.6884

223.0426,
214.9581, 191.1674

 9.6681, 7.8683,
4.4444

269.3273,
260.9752, 235.1476

 5.2400, 4.0108,
1.8722

321.6092,

 2.4250, 1.6796,

313.1314, 285.4035

0.4750

380.2538,
371.8110, 342.3534

■ 0.8576, 0.4104,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7910, 63.5046,
50.7514

■ 68.7910, 63.5046,
50.7514

■ 62.3055, 54.2572,
37.1104

■ 76.3480, 74.1329,
67.0989

■ 56.8372, 46.3249,
26.0251

■ 85.0179, 86.1870,
86.2847

■ 52.3337, 39.6496,
17.3360

94.8460, 99.7204,
108.4366

■ 48.7363, 34.1652,
10.8636

95.0500, 100.0000,
108.9000

■ 45.9789, 29.7993,
6.4031

■ 43.9859, 26.4711,
3.7109

■ 42.6696, 24.1191,
2.4065

Harmonies

Analogous

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



71.5177, 63.5046, 63.2745



68.7910, 63.5046, 50.7514



63.8637, 63.5046, 43.9007

Triad

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



68.7910, 63.5046, 50.7514



50.7425, 63.5046, 59.7576



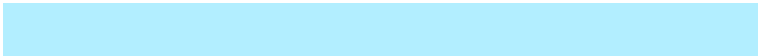
62.4949, 63.5046, 103.9139

Complementary

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



68.7910, 63.5046, 50.7514



66.9835, 77.8313, 106.1003

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.



56.9854, 63.5046, 102.5828



68.7910, 63.5046, 50.7514



50.4263, 63.5046, 75.3693

Square

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



68.7910, 63.5046, 50.7514



53.5385, 63.5046, 48.5199



52.6462, 63.5046, 91.5209



67.7359, 63.5046, 94.9179

Rectangle

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



68.7910, 63.5046, 50.7514



60.1098, 63.5046, 42.7218



52.6462, 63.5046, 91.5209



60.6093, 63.5046, 104.6919

Sweetspot

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



68.7926, 63.5075, 50.7527



86.1311, 87.7260, 88.7744



72.6399, 59.2931, 88.7495



18.1461, 18.3767, 18.3540



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.



68.7926, 63.5075, 50.7527



64.9002, 57.9743, 42.5139



78.4670, 82.8563, 53.9775



18.3346, 18.6374, 18.7754



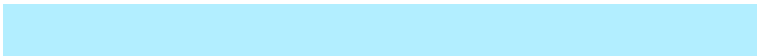
22.3852, 12.7816, 1.2873



2.2562, 1.3978, 0.1509

Inverse Universe

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



66.9835, 77.8313, 106.1003



62.8252, 74.2876, 105.6354



57.0225, 57.9093, 102.7800



18.1945, 19.7607, 23.1052



20.1810, 25.2715, 53.2488



2.0449, 2.6205, 5.2113

Previews

White Background



This preview shows how the XYZ color 68.7910, 63.5046, 50.7514 looks on a white background.

Color Contrast Check

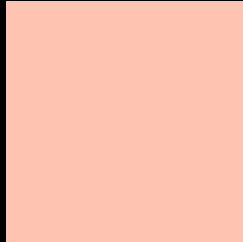
Large Text (above 18pt) WCAG AA × Fail

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 68.7910, 63.5046, 50.7514 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 68.7910, 63.5046, 50.7514

Background



This preview shows how black text looks on a background with the XYZ color 68.7910, 63.5046, 50.7514.



This preview shows how white text looks on a background with the XYZ color 68.7910, 63.5046,

50.7514.

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

68.7910, 63.5046, 50.7514

Protanopia

60.2263, 63.5200, 54.9853

Deuteranopia

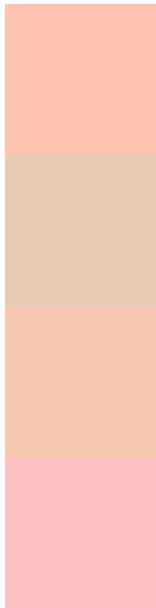
65.0981, 63.6484, 50.4493



Tritanopia

71.2302, 63.4155, 66.8787

Trichromacy



Original Color

68.7910, 63.5046, 50.7514

Protanomaly

62.7544, 63.0782, 53.1238

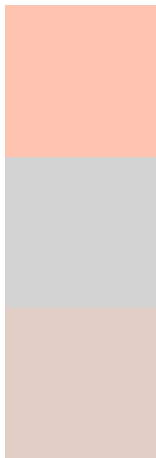
Deuteranomaly

66.3653, 63.6140, 50.3759

Tritanomaly

70.2738, 63.3855, 60.7553

Monochromacy



Original Color

68.7910, 63.5046, 50.7514

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.8187, 64.1171, 63.0451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7910, 63.5046, 50.7514 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, 195, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 178)  
}
```

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, 195, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 178) }
```

Border

The CSS property to change the border of an element to XYZ 68.7910, 63.5046, 50.7514 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, 195, 178) }
```


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

```
.border{ border-color:rgb(255, 195, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7910, 63.5046, 50.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 178) }
```

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

```
.background{ background-color: rgb(255,  
195, 178) }
```

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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