

Converting Colors

XYZ(88.6781, 73.2446, 52.8013)

Have a look what the booklet for
XYZ(88.6781, 73.2446, 52.8013)
contains.

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Color

**XYZ(68.7700, 63.1389,
51.7425)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC2B4
RGB	255, 194, 180
RGB Percent	100%, 76%, 71%
CMY	0.0000, 0.2392, 0.2941
CMYK	0.00, 0.24, 0.29, 0.00
HSL	11°, 100%, 85%
HSV	11°, 29%, 100%
XYZ	68.7700, 63.1389, 51.7425
YIQ	210.6430, 40.8500, 8.5780

Conversions

Conversions Part 2

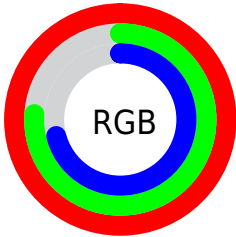
Format	Color
R _Y B	255, 197, 180
Decimal	16761524
CIE Lab	83.52, 19.93, 15.51
CIE LCh	84, 25.249, 37.887
Yxy	63.1389, 0.3745, 0.3438
Android (android.graphics.Color)	4294951604 (0xFFFFC2B4)
YUV	210.6430, -15.1070, 38.9011
Hunter-Lab	79.4600, 15.4309, 17.0137

Details

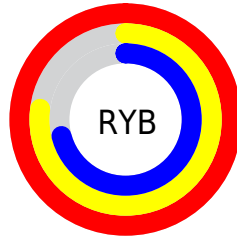
The XYZ color **68.7700, 63.1389, 51.7425** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.3266, 79.8311, 106.4155**, and the grayscale version is **61.7604, 64.9767, 70.7597**.

A 20% lighter version of the original color is **90.8775, 96.3105, 93.1569**, and **36.2348, 32.1588, 24.3762** is the 20% darker color. If you saturate the color by 10%, you get **62.1097, 53.6000, 37.8636**, and if you desaturate by 10%, it is **76.5556, 74.1630, 68.3555**.

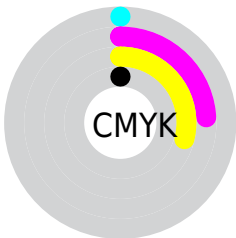
Distribution



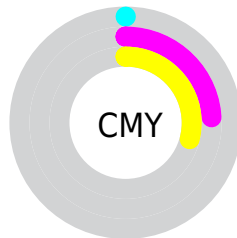
- Red (100%)
- Green (76%)
- Blue (71%)



- Red (100%)
- Yellow (77%)
- Blue (71%)



- Cyan (0%)
- Magenta (24%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7700, 63.1389, 51.7425 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 68.7700, 63.1389, 51.7425 by changing the saturation by 10% instead.


 68.7700, 63.1389,
51.7425

 68.7700, 63.1389,
51.7425


445.5534,
436.0734, 410.3703

 50.8004, 45.9536,
36.4190


 116.4889,
109.3699, 94.1741

 36.2702, 32.2092,
24.4657


146.9688,
139.1843, 122.1193

 24.8140, 21.5213,
15.4641

182.3496,
173.9773, 155.1088

 16.0665, 13.5056,
8.9955

222.9966,
214.1331, 193.5612

 9.6624, 7.7776,
4.6415

269.2751,
260.0363, 237.8950

 5.2362, 3.9530,
1.9835

321.5505,

 2.4227, 1.6473,

312.0711, 288.5288

0.5451

380.1882,
370.6220, 345.8810

■ 0.8564, 0.3892,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7700, 63.1389,
51.7425

■ 68.7700, 63.1389,
51.7425

■ 62.1097, 53.6000,
37.8636

■ 76.5556, 74.1630,
68.3555

■ 56.5170, 45.4740,
26.5680

■ 85.5108, 86.7232,
87.8348

■ 51.9365, 38.6955,
17.6960

95.0500, 100.0000,
108.9000

■ 48.3055, 33.1907,
11.0685

■ 45.5540, 28.8781,
6.4814

■ 43.6017, 25.6668,
3.6931

■ 42.3398, 23.4465,
2.3372

■ 42.2814, 23.3428,
2.2771

Harmonies

Analogous

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



71.1329, 63.1389, 64.6661



68.7700, 63.1389, 51.7425



64.0899, 63.1389, 44.2886

Triad

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



68.7700, 63.1389, 51.7425



50.7192, 63.1389, 57.9439



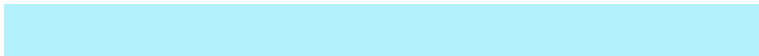
61.4777, 63.1389, 103.4063

Complementary

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



68.7700, 63.1389, 51.7425



68.3266, 79.8311, 106.4155

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.



56.1102, 63.1389, 100.8735



68.7700, 63.1389, 51.7425



50.1145, 63.1389, 72.9972

Square

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



68.7700, 63.1389, 51.7425



53.7360, 63.1389, 47.4685



52.0304, 63.1389, 89.1214



66.7578, 63.1389, 95.5905

Rectangle

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



68.7700, 63.1389, 51.7425



60.4031, 63.1389, 42.6592



52.0304, 63.1389, 89.1214



59.6218, 63.1389, 103.7565

Sweetspot

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



68.7716, 63.1418, 51.7438



85.9048, 87.2734, 88.6990



73.4762, 60.2690, 91.1757



18.0907, 18.2660, 18.3356



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.



68.7716, 63.1418, 51.7438



64.9133, 57.6307, 43.6588



78.1245, 81.8475, 54.8614



18.2838, 18.5357, 18.7584



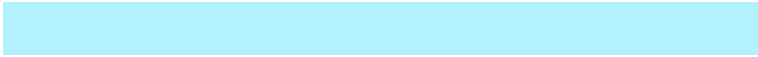
22.1710, 12.3533, 1.2159



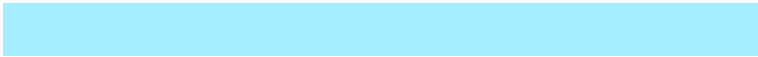
2.2284, 1.3423, 0.1416

Inverse Universe

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



68.3266, 79.8311, 106.4155



64.3953, 76.6436, 106.0074



58.4065, 59.9910, 103.1088



18.2495, 19.8707, 23.1235



21.2424, 27.3943, 53.6026



2.1394, 2.8095, 5.2428

Previews

White Background



This preview shows how the XYZ color 68.7700, 63.1389, 51.7425 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 68.7700, 63.1389, 51.7425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

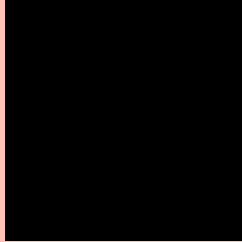
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7700, 63.1389, 51.7425

Background



This preview shows how black text looks on a background with the XYZ color 68.7700, 63.1389, 51.7425.



This preview shows how white text looks on a background with the XYZ color 68.7700, 63.1389,

51.7425.

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

68.7700, 63.1389, 51.7425

Protanopia

60.1408, 63.4513, 56.0913

Deuteranopia

64.6199, 63.3787, 51.4753



Tritanopia

70.8902, 62.9294, 66.1679

Trichromacy



Original Color

68.7700, 63.1389, 51.7425

Protanomaly

62.9627, 63.1615, 54.2203

Deuteranomaly

65.9870, 63.0553, 51.3408

Tritanomaly

70.0534, 62.9448, 60.6819

Monochromacy



Original Color

68.7700, 63.1389, 51.7425

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.9352, 64.1637, 63.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7700, 63.1389, 51.7425 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, 194, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 180)  
}
```

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, 194, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 180) }
```

Border

The CSS property to change the border of an element to XYZ 68.7700, 63.1389, 51.7425 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, 194, 180) }
```


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

```
.border{ border-color:rgb(255, 194, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7700, 63.1389, 51.7425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 180) }
```

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

```
.background{ background-color: rgb(255,  
194, 180) }
```

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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