

Converting Colors

XYZ(70.7931, 67.4286, 51.6677)

Have a look what the booklet for
XYZ(70.7931, 67.4286, 51.6677)
contains.

XYZ(70.7326, 67.2265, 51.8958)	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(70.7326, 67.2265,
51.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBB3
RGB	255, 203, 179
RGB Percent	100%, 80%, 70%
CMY	0.0000, 0.2039, 0.2980
CMYK	0.00, 0.20, 0.30, 0.00
HSL	19°, 100%, 85%
HSV	19°, 30%, 100%
XYZ	70.7326, 67.2265, 51.8958
YIQ	215.8120, 38.6960, 3.5600

Conversions

Conversions Part 2

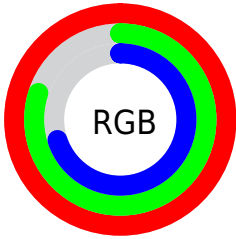
Format	Color
R _{YB}	255, 214, 179
Decimal	16763827
CIE _{Lab}	85.62, 15.09, 18.98
CIE _{LCh}	86, 24.248, 51.503
Yxy	67.2265, 0.3726, 0.3541
Android (android.graphics.Color)	4294953907 (0xFFFFCBB3)
YUV	215.8120, -18.1483, 34.3679
Hunter-Lab	81.9918, 10.5027, 19.8673

Details

The XYZ color **70.7326, 67.2265, 51.8958** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.2154, 73.9531, 105.4449**, and the grayscale version is **65.2448, 68.6427, 74.7519**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.5393, 34.8716, 24.4910** is the 20% darker color. If you saturate the color by 10%, you get **64.4978, 58.5095, 38.2487**, and if you desaturate by 10%, it is **77.9113, 77.0677, 68.2118**.

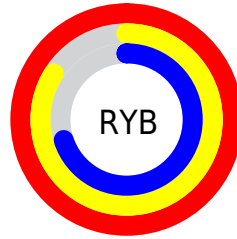
Distribution



Red (100%)

Green (80%)

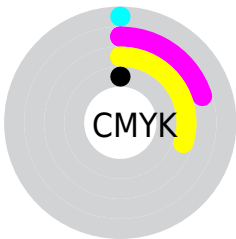
Blue (70%)



Red (100%)

Yellow (84%)

Blue (70%)

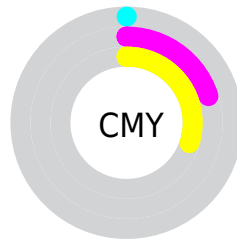


Cyan (0%)

Magenta (20%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7326, 67.2265, 51.8958 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 70.7326, 67.2265, 51.8958 by changing the saturation by 10% instead.


 70.7326, 67.2265,
51.8958

 70.7326, 67.2265,
51.8958


452.3445,
450.7506, 410.9797

 52.4058, 49.2687,
36.5404


 119.2735,
115.2449, 94.4026

 37.5542, 34.8327,
24.5588

150.2182,
146.0743, 122.3910

 25.8125, 23.5340,
15.5326


186.0997,
181.9631, 155.4274

 16.8154, 14.9883,
9.0433

227.2831,
223.2955, 193.9305

 10.1974, 8.8112,
4.6722

274.1340,
270.4561, 238.3187

 5.5933, 4.6182,
2.0009

327.0176,

 2.6377, 2.0251,

323.8292, 289.0107

0.5558

386.2993,
383.7992, 346.4248

■ 0.9652, 0.6220,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.7326, 67.2265,
51.8958

■ 70.7326, 67.2265,
51.8958

■ 64.4978, 58.5095,
38.2487

■ 77.9113, 77.0677,
68.2118

■ 59.1603, 50.8663,
27.1227

■ 86.0679, 88.0627,
87.3256

■ 54.6767, 44.2562,
18.3617

95.0500, 100.0000,
108.9000

■ 50.9978, 38.6322,
11.7904

■ 48.0685, 33.9432,
7.2085

■ 45.8253, 30.1323,
4.3782

■ 44.1768, 27.1292,
2.9225

■ 44.1486, 27.0773,
2.8995

Harmonies

Analogous

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



74.2873, 67.2265, 62.6137



70.7326, 67.2265, 51.8958



65.4776, 67.2265, 47.0668

Triad

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



70.7326, 67.2265, 51.8958



53.9655, 67.2265, 68.7989



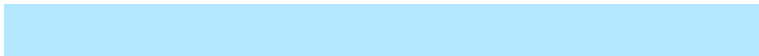
67.8661, 67.2265, 105.2718

Complementary

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



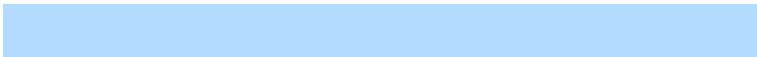
70.7326, 67.2265, 51.8958



65.2154, 73.9531, 105.4449

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.



62.3416, 67.2265, 107.5584



70.7326, 67.2265, 51.8958



54.5233, 67.2265, 84.9131

Square

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



70.7326, 67.2265, 51.8958



55.9461, 67.2265, 55.8633



57.5162, 67.2265, 99.6535



72.5671, 67.2265, 93.7927

Rectangle

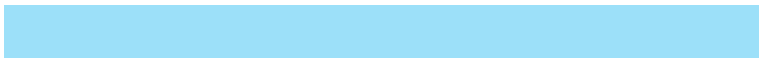
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7326, 67.2265, 51.8958



61.8038, 67.2265, 47.2734



57.5162, 67.2265, 99.6535



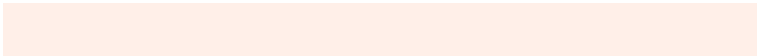
66.0365, 67.2265, 107.2009

Sweetspot

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



70.7343, 67.2296, 51.8972



86.7667, 88.9972, 88.9863



71.9544, 59.3384, 84.1544



18.3018, 18.6880, 18.4059



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

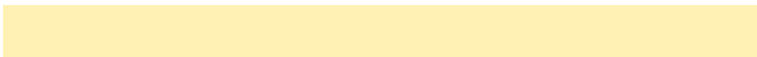
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7343, 67.2296, 51.8972



66.7614, 61.6968, 43.1343



80.4782, 86.7174, 55.1451



18.4775, 18.9232, 18.8230



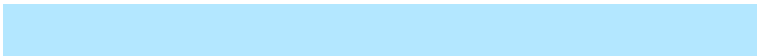
23.1861, 14.3834, 1.5542



2.3507, 1.5867, 0.1824

Inverse Universe

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



65.2154, 73.9531, 105.4449



60.3928, 69.4227, 104.8246



55.9774, 55.4771, 102.3656



18.0426, 19.4568, 23.0545



17.5266, 19.9628, 52.3640



1.8047, 2.1401, 5.1312

Previews

White Background



This preview shows how the XYZ color 70.7326, 67.2265, 51.8958 looks on a white background.

Color Contrast Check

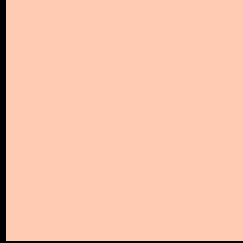
Large Text (above 18pt) WCAG AA × Fail

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 70.7326, 67.2265, 51.8958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

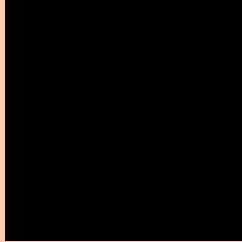
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7326, 67.2265, 51.8958

Background



This preview shows how black text looks on a background with the XYZ color 70.7326, 67.2265, 51.8958.



This preview shows how white text looks on a background with the XYZ color 70.7326, 67.2265,

51.8958.

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

70.7326, 67.2265, 51.8958

Protanopia

63.7496, 67.5614, 55.0281

Deuteranopia

68.8186, 67.3134, 51.4851



Tritanopia

73.9045, 67.3726, 72.0598

Trichromacy



Original Color

70.7326, 67.2265, 51.8958

Protanomaly

66.0822, 67.3035, 53.7639

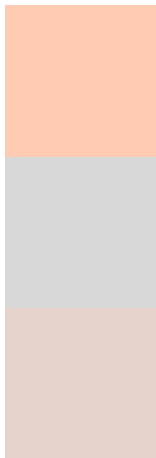
Deuteranomaly

69.6509, 67.3862, 51.4553

Tritanomaly

72.6693, 67.2503, 64.4089

Monochromacy



Original Color

70.7326, 67.2265, 51.8958

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.7069, 67.7233, 66.0560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7326, 67.2265, 51.8958 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, 203, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 179)  
}
```

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, 203, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 179) }
```

Border

The CSS property to change the border of an element to XYZ 70.7326, 67.2265, 51.8958 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, 203, 179) }
```


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

```
.border{ border-color:rgb(255, 203, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7326, 67.2265, 51.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 179) }
```

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

```
.background{ background-color: rgb(255,  
203, 179) }
```

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