

Converting Colors

XYZ(56.8796, 70.5354, 51.8878)

Have a look what the booklet for
XYZ(56.8796, 70.5354, 51.8878)
contains.

XYZ(56.8723, 70.4196, 51.6691)	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(56.8723, 70.4196,
51.6691)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE6B0
RGB	188, 230, 176
RGB Percent	74%, 90%, 69%
CMY	0.2627, 0.0980, 0.3098
CMYK	0.18, 0.00, 0.23, 0.10
HSL	107°, 52%, 80%
HSV	107°, 23%, 90%
XYZ	56.8723, 70.4196, 51.6691
YIQ	211.2860, -7.6980, -25.6980

Conversions

Conversions Part 2

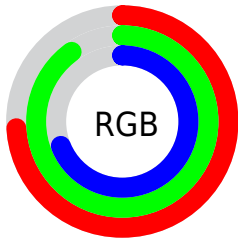
Format	Color
RYB	176, 230, 218
Decimal	12379824
CIELab	87.20, -23.51, 21.94
CIELCh	87, 32.152, 136.978
Yxy	70.4196, 0.3178, 0.3935
Android (android.graphics.Color)	4290569904 (0xFFBCE6B0)
YUV	211.2860, -17.3960, -20.4218
Hunter-Lab	83.9164, -25.8796, 22.2354

Details

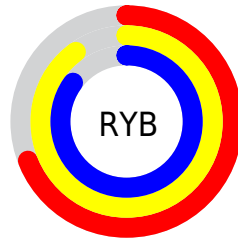
The XYZ color **56.8723, 70.4196, 51.6691** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.7247, 51.6713, 81.7451**, and the grayscale version is **62.2226, 65.4630, 71.2893**.

A 20% lighter version of the original color is **87.9817, 96.7587, 90.3831**, and **28.5427, 36.7705, 24.3319** is the 20% darker color. If you saturate the color by 10%, you get **50.6497, 67.4548, 40.4882**, and if you desaturate by 10%, it is **64.0306, 73.8263, 64.9095**.

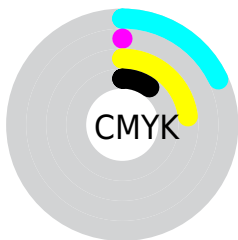
Distribution



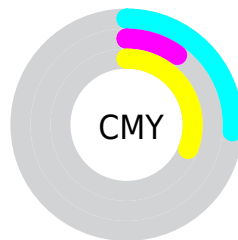
- Red (74%)
- Green (90%)
- Blue (69%)



- Red (69%)
- Yellow (90%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)



- Cyan (26%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8723, 70.4196, 51.6691 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 56.8723, 70.4196, 51.6691 by changing the saturation by 10% instead.

■ 56.8723, 70.4196,
51.6691

■ 56.8723, 70.4196,
51.6691

402.9926,
462.0219, 410.0784

■ 41.1425, 51.8687,
36.3610

■ 99.4113, 119.8069,
94.0647

■ 28.6186, 36.9004,
24.4212

126.9511,
151.4122, 121.9892

■ 18.9353, 25.1304,
15.4313

159.1583,
188.1376, 154.9562

■ 11.7273, 16.1742,
8.9727

196.3983,
230.3676, 193.3843

■ 6.6291, 9.6475,
4.6268

239.0363,
278.4867, 237.6920

■ 3.2755, 5.1659,
1.9751

287.4378,

■ 1.3011, 2.3449,

332.8792, 288.2979

0.5399

341.9681,
393.9295, 345.6205

■ 0.1840, 0.7973,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8723, 70.4196,
51.6691

■ 56.8723, 70.4196,
51.6691

■ 50.6497, 67.4548,
40.4882

■ 64.0306, 73.8263,
64.9095

■ 45.3178, 64.9049,
31.2588

■ 72.1561, 77.6829,
80.3006

■ 40.8364, 62.7536,
23.8704

■ 81.2853, 82.0083,
97.9340

■ 37.1596, 60.9798,
18.1993

■ 87.5882, 85.0765,
106.4127

■ 34.2372, 59.5608,
14.1067

■ 32.0124, 58.4708,
11.4324

■ 30.4197, 57.6802,
9.9820

■ 29.6688, 57.3030,
9.4969

Harmonies

Analogous

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



62.7828, 70.4196, 43.3967



56.8723, 70.4196, 51.6691



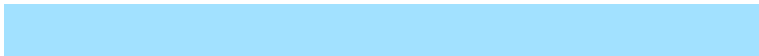
53.7644, 70.4196, 67.6855

Triad

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



56.8723, 70.4196, 51.6691



63.7145, 70.4196, 124.7172



81.7937, 70.4196, 65.1675

Complementary

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



56.8723, 70.4196, 51.6691



58.7247, 51.6713, 81.7451

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.



82.0904, 70.4196, 86.4271



56.8723, 70.4196, 51.6691



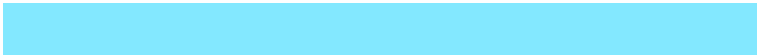
71.2595, 70.4196, 123.6931

Square

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



56.8723, 70.4196, 51.6691



57.5101, 70.4196, 111.2527



78.1124, 70.4196, 108.6731



77.3299, 70.4196, 50.1256

Rectangle

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



56.8723, 70.4196, 51.6691



53.5351, 70.4196, 81.8359



78.1124, 70.4196, 108.6731



82.3953, 70.4196, 71.7357

Sweetspot

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



56.8742, 70.4226, 51.6706



87.3833, 96.3644, 94.2303



65.3887, 69.7929, 51.1003



18.5684, 20.5618, 19.9124



0.0000, 0.0000, 0.0000



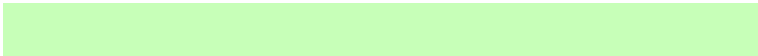
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8742, 70.4226, 51.6706



68.0464, 87.1697, 58.3669



55.5415, 69.5622, 59.4458



14.4873, 16.2428, 15.2761



16.8820, 32.4845, 5.3804



1.3263, 2.4411, 0.4013

Inverse Universe

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



58.7247, 51.6713, 81.7451



70.7500, 59.7094, 102.4039



60.5040, 52.8127, 71.7028



14.6654, 14.4453, 18.1596



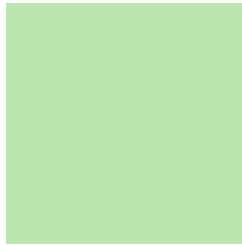
18.7068, 8.7096, 43.0783



1.4598, 0.6835, 3.1870

Previews

White Background



This preview shows how the XYZ color 56.8723, 70.4196, 51.6691 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 56.8723, 70.4196, 51.6691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

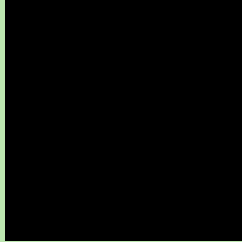
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8723, 70.4196, 51.6691

Background



This preview shows how black text looks on a background with the XYZ color 56.8723, 70.4196, 51.6691.



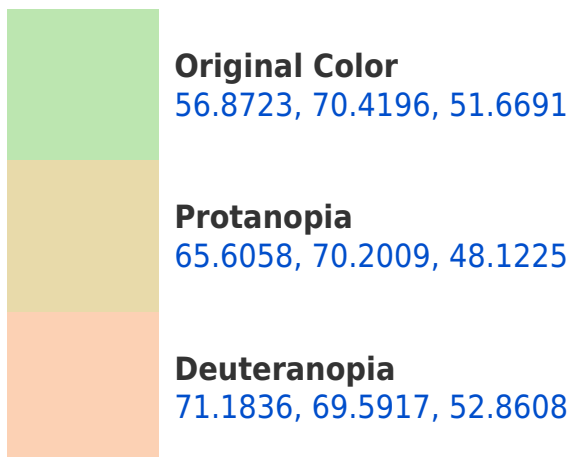
This preview shows how white text looks on a background with the XYZ color 56.8723, 70.4196,

51.6691.

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

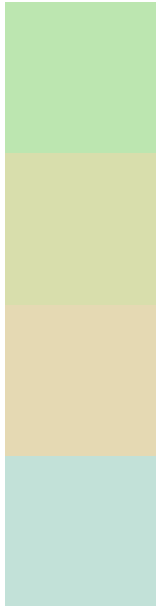




Tritanopia

64.9900, 70.4803, 91.8401

Trichromacy



Original Color

56.8723, 70.4196, 51.6691

Protanomaly

61.8866, 69.8200, 49.2446

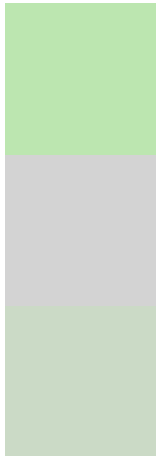
Deuteranomaly

65.2626, 69.5384, 52.6304

Tritanomaly

61.5680, 70.2776, 75.2857

Monochromacy



Original Color

56.8723, 70.4196, 51.6691

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.8930, 66.9165, 63.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8723, 70.4196, 51.6691 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(188, 230, 176)` looks like.

```
.text, #text, p{  
    color:rgb(188, 230, 176)  
}
```

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(188, 230, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 230, 176) }
```

Border

The CSS property to change the border of an element to XYZ 56.8723, 70.4196, 51.6691 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(188, 230, 176) }
```


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

```
.border{ border-color:rgb(188, 230, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 230, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 230, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 230, 176);  
box-shadow:4px 4px 4px 4px rgb(188, 230,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8723, 70.4196, 51.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 230, 176) }
```

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

```
.background{ background-color: rgb(188,  
230, 176) }
```

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