

Converting Colors

XYZ(56.2404, 69.9180, 50.4730)

Have a look what the booklet for
XYZ(56.2404, 69.9180, 50.4730)
contains.

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Color

**XYZ(56.4303, 70.2144,
50.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE6AE
RGB	187, 230, 174
RGB Percent	73%, 90%, 68%
CMY	0.2667, 0.0980, 0.3176
CMYK	0.19, 0.00, 0.24, 0.10
HSL	106°, 53%, 79%
HSV	106°, 24%, 90%
XYZ	56.4303, 70.2144, 50.6229
YIQ	210.7590, -7.6520, -26.5320

Conversions

Conversions Part 2

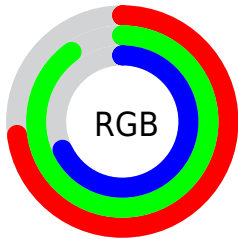
Format	Color
RYB	174, 230, 217
Decimal	12314286
CIELab	87.10, -24.17, 22.82
CIELCh	87, 33.241, 136.638
Yxy	70.2144, 0.3183, 0.3961
Android (android.graphics.Color)	4290504366 (0xFFBBE6AE)
YUV	210.7590, -18.1222, -20.8366
Hunter-Lab	83.7940, -26.4304, 22.8367

Details

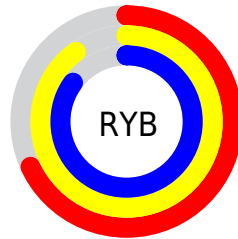
The XYZ color **56.4303, 70.2144, 50.6229** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0371, 50.7390, 81.6013**, and the grayscale version is **61.8788, 65.1013, 70.8953**.

A 20% lighter version of the original color is **87.3512, 96.4663, 88.8789**, and **28.2601, 36.6391, 23.6718** is the 20% darker color. If you saturate the color by 10%, you get **50.3193, 67.3034, 39.6175**, and if you desaturate by 10%, it is **63.4604, 73.5590, 63.6784**.

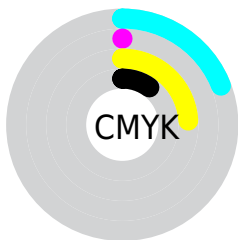
Distribution



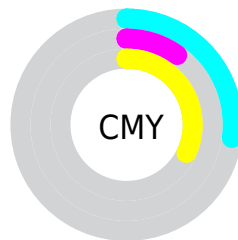
- Red (73%)
- Green (90%)
- Blue (68%)



- Red (68%)
- Yellow (90%)
- Blue (85%)



- Cyan (19%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)





- Cyan (27%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4303, 70.2144, 50.6229 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 56.4303, 70.2144, 50.6229 by changing the saturation by 10% instead.


 56.4303, 70.2144,
50.6229

 56.4303, 70.2144,
50.6229

401.3599,
461.3024, 405.9015

 40.7864, 51.7013,
35.5339


 98.7696, 119.5145,
92.5029

 28.3391, 36.7671,
23.7876


126.1957,
151.0702, 120.1310

 18.7232, 25.0272,
14.9654


158.2799,
187.7424, 152.7759

 11.5733, 16.0973,
8.6488

195.3876,
229.9153, 190.8562

 6.5239, 9.5930,
4.4191

237.8840,
277.9734, 234.7904

 3.2099, 5.1300,
1.8580


286.1347,

 1.2657, 2.3237,


332.3010, 284.9969


0.4658


340.5048,
393.2825, 341.8945


 0.1573, 0.7862,
0.0000


 0.0000, 0.0000,
0.0000


 56.4303, 70.2144,
50.6229


 56.4303, 70.2144,
50.6229

 50.3193, 67.3034,
39.6175


 63.4604, 73.5590,
63.6784

 45.0831, 64.7993,
30.5538

 71.4406, 77.3448,
78.8759

 40.6820, 62.6860,
23.3202

 80.4070, 81.5906,
96.3074

 37.0708, 60.9429,
17.7920

 87.5882, 85.0764,
106.4127

■ 34.1996, 59.5475,
13.8289

■ 32.0126, 58.4745,
11.2684

■ 30.4444, 57.6944,
9.9123

■ 29.7868, 57.3638,
9.5024

Harmonies

Analogous

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



62.5400, 70.2144, 42.2812



56.4303, 70.2144, 50.6229



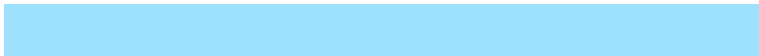
53.2011, 70.2144, 66.9621

Triad

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



56.4303, 70.2144, 50.6229



63.3353, 70.2144, 126.2318



82.1382, 70.2144, 64.8171

Complementary

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



56.4303, 70.2144, 50.6229



58.0371, 50.7390, 81.6013

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.



82.3930, 70.2144, 86.7977



56.4303, 70.2144, 50.6229



71.1171, 70.2144, 125.3473

Square

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



56.4303, 70.2144, 50.6229



56.9734, 70.2144, 112.0646



78.2272, 70.2144, 109.8420



77.5561, 70.2144, 49.3170

Rectangle

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



56.4303, 70.2144, 50.6229



52.9393, 70.2144, 81.5174



78.2272, 70.2144, 109.8420



82.7445, 70.2144, 71.6000

Sweetspot

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



56.4321, 70.2174, 50.6244



87.4438, 96.3956, 94.2331



65.0717, 69.4735, 50.0255



18.5824, 20.5690, 19.9131



0.0000, 0.0000, 0.0000



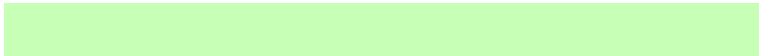
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4321, 70.2174, 50.6244



67.4510, 86.8932, 56.9600



54.9326, 69.2667, 58.5823



14.5008, 16.2497, 15.2767



16.9518, 32.5205, 5.3836



1.3332, 2.4447, 0.4016

Inverse Universe

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



58.0371, 50.7390, 81.6013



69.7887, 58.4367, 102.2089



60.0460, 52.0066, 71.2113



14.6509, 14.4378, 18.1589



18.4139, 8.5586, 43.0646



1.4404, 0.6735, 3.1861

Previews

White Background



This preview shows how the XYZ color 56.4303, 70.2144, 50.6229 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 56.4303, 70.2144, 50.6229 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 56.4303, 70.2144, 50.6229

Background



This preview shows how black text looks on a background with the XYZ color 56.4303, 70.2144, 50.6229.



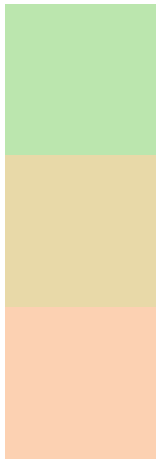
This preview shows how white text looks on a background with the XYZ color 56.4303, 70.2144,

50.6229.

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

56.4303, 70.2144, 50.6229

Protanopia

65.1594, 69.6087, 47.0473

Deuteranopia

70.9812, 69.5107, 51.7953



Tritanopia

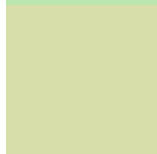
64.7251, 69.9507, 91.7518

Trichromacy



Original Color

56.4303, 70.2144, 50.6229



Protanomaly

61.6959, 69.7438, 48.2404



Deuteranomaly

64.7436, 69.2940, 51.5577



Tritanomaly

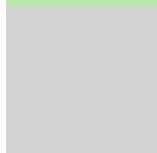
61.1695, 69.6869, 74.5169

Monochromacy



Original Color

56.4303, 70.2144, 50.6229



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.6216, 66.7766, 63.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4303, 70.2144, 50.6229 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(187, 230, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 230, 174)  
}
```

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(187, 230, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 230, 174) }
```

Border

The CSS property to change the border of an element to XYZ 56.4303, 70.2144, 50.6229 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(187, 230, 174) }
```


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

```
.border{ border-color:rgb(187, 230, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 230, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 230, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 230, 174); box-shadow:4px 4px 4px 4px rgb(187, 230, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4303, 70.2144, 50.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 230, 174) }
```

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

```
.background{ background-color: rgb(187,  
230, 174) }
```

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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