

Converting Colors

XYZ(56.8729, 70.4609, 49.4526)

Have a look what the booklet for
XYZ(56.8729, 70.4609, 49.4526)
contains.

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Color

**XYZ(56.9784, 70.5193,
49.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE6AC
RGB	190, 230, 172
RGB Percent	75%, 90%, 67%
CMY	0.2549, 0.0980, 0.3255
CMYK	0.17, 0.00, 0.25, 0.10
HSL	101°, 54%, 79%
HSV	101°, 25%, 90%
XYZ	56.9784, 70.5193, 49.6382
YIQ	211.4280, -5.2220, -26.5180

Conversions

Conversions Part 2

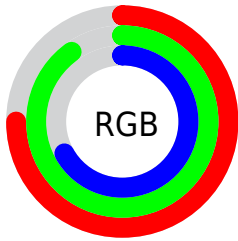
Format	Color
RYB	172, 230, 212
Decimal	12510892
CIELab	87.25, -23.45, 24.09
CIELCh	87, 33.623, 134.231
Yxy	70.5193, 0.3217, 0.3981
Android (android.graphics.Color)	4290700972 (0xFFBEE6AC)
YUV	211.4280, -19.4380, -18.7924
Hunter-Lab	83.9758, -25.8436, 23.7366

Details

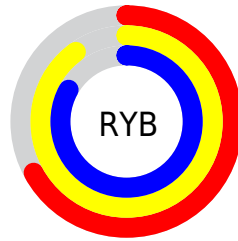
The XYZ color **56.9784, 70.5193, 49.6382** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.1897, 49.2172, 81.4050**, and the grayscale version is **62.3286, 65.5746, 71.4107**.

A 20% lighter version of the original color is **88.1214, 96.8956, 87.4570**, and **28.6192, 36.8383, 23.0549** is the 20% darker color. If you saturate the color by 10%, you get **51.2094, 67.7809, 38.8184**, and if you desaturate by 10%, it is **63.5647, 73.6391, 62.4948**.

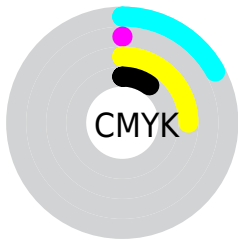
Distribution



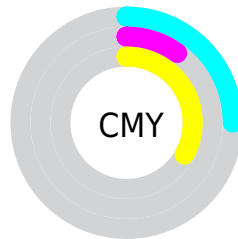
- Red (75%)
- Green (90%)
- Blue (67%)



- Red (67%)
- Yellow (90%)
- Blue (83%)



- Cyan (17%)
- Magenta (0%)
- Yellow (25%)
- Black (10%)





- Cyan (25%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9784, 70.5193, 49.6382 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 56.9784, 70.5193, 49.6382 by changing the saturation by 10% instead.


 56.9784, 70.5193,
49.6382

 56.9784, 70.5193,
49.6382

403.3839,
462.3713, 401.9439

 41.2280, 51.9500,
34.7568


 99.5652, 119.9490,
91.0294

 28.6857, 36.9652,
23.1936


127.1323,
151.5782, 118.3763

 18.9863, 25.1806,
14.5299


159.3690,
188.3295, 150.7154

 11.7643, 16.2116,
8.3472

196.6406,
230.5873, 188.4653

 6.6545, 9.6740,
4.2269

239.3126,
278.7360, 232.0446

 3.2914, 5.1834,
1.7507


287.7502,

 1.3096, 2.3553,

333.1599, 281.8718

0.3951


342.3188,
394.2436, 338.3653


 0.1904, 0.8027,
0.0000


 0.0000, 0.0000,
0.0000


 56.9784, 70.5193,
49.6382

 56.9784, 70.5193,
49.6382


 51.2094, 67.7809,
38.8184


 63.5647, 73.6391,
62.4948

 46.2188, 65.3998,
29.9264

 70.9943, 77.1451,
77.4804

 41.9725, 63.3629,
22.8502

 79.2985, 81.0539,
94.6873

 38.4314, 61.6530,
17.4641

 87.0217, 84.7844,
106.3862

■ 35.5527, 60.2509,
13.6266

■ 87.5882, 85.0764,
106.4127

■ 33.2877, 59.1353,
11.1731

■ 31.5796, 58.2811,
9.9015

■ 30.9242, 57.9502,
9.5556

Harmonies

Analogous

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



63.3609, 70.5193, 41.8615



56.9784, 70.5193, 49.6382



53.4441, 70.5193, 65.5568

Triad

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



56.9784, 70.5193, 49.6382



62.9823, 70.5193, 126.7241



82.8562, 70.5193, 66.5771

Complementary

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



56.9784, 70.5193, 49.6382



56.1897, 49.2172, 81.4050

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.



82.7347, 70.5193, 89.2240



56.9784, 70.5193, 49.6382



70.8308, 70.5193, 127.1466

Square

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



56.9784, 70.5193, 49.6382



56.7201, 70.5193, 111.3056



78.1914, 70.5193, 112.3665



78.5114, 70.5193, 50.2581

Rectangle

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



56.9784, 70.5193, 49.6382



52.9894, 70.5193, 80.0384



78.1914, 70.5193, 112.3665



83.3464, 70.5193, 73.6182

Sweetspot

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



56.9802, 70.5223, 49.6397



86.9495, 96.1836, 92.2772



63.5343, 66.7083, 48.5581



18.3018, 20.4415, 19.1253



0.0000, 0.0000, 0.0000



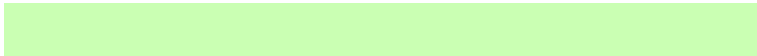
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9802, 70.5223, 49.6397



68.2680, 87.3444, 55.6442



53.8213, 68.7711, 55.0388



14.6080, 16.3050, 15.2817



17.6171, 32.8634, 5.4148



1.3945, 2.4763, 0.4045

Inverse Universe

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



56.1897, 49.2172, 81.4050



67.1095, 56.2926, 101.9362



60.2228, 51.4637, 74.0337



14.5372, 14.3791, 18.1536



16.2703, 7.4535, 42.9643



1.2966, 0.5994, 3.1793

Previews

White Background



This preview shows how the XYZ color 56.9784, 70.5193, 49.6382 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 56.9784, 70.5193, 49.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

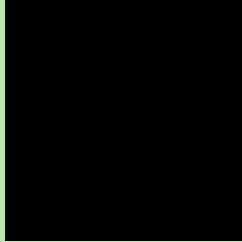
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9784, 70.5193, 49.6382

Background



This preview shows how black text looks on a background with the XYZ color 56.9784, 70.5193, 49.6382.



This preview shows how white text looks on a background with the XYZ color 56.9784, 70.5193,

49.6382.

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

56.9784, 70.5193, 49.6382

Protanopia

65.5586, 70.2196, 46.1748

Deuteranopia

71.3911, 70.1104, 50.8442



Tritanopia

65.5238, 70.3624, 91.7892

Trichromacy



Original Color

56.9784, 70.5193, 49.6382

Protanomaly

61.8044, 69.8214, 47.2652

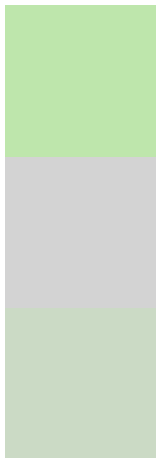
Deuteranomaly

65.1838, 69.5438, 50.5452

Tritanomaly

61.9474, 70.0879, 74.5533

Monochromacy



Original Color

56.9784, 70.5193, 49.6382

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.7780, 66.8705, 62.5800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9784, 70.5193, 49.6382 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(190, 230, 172)` looks like.

```
.text, #text, p{  
    color:rgb(190, 230, 172)  
}
```

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(190, 230, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 230, 172) }
```

Border

The CSS property to change the border of an element to XYZ 56.9784, 70.5193, 49.6382 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(190, 230, 172) }
```


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

```
.border{ border-color:rgb(190, 230, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 230, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 230, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 230, 172);  
box-shadow:4px 4px 4px 4px rgb(190, 230,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9784, 70.5193, 49.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 230, 172) }
```

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

```
.background{ background-color: rgb(190,  
230, 172) }
```

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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