

Converting Colors

XYZ(57.6295, 72.7888, 49.6694)

Have a look what the booklet for
XYZ(57.6295, 72.7888, 49.6694)
contains.

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Color

**XYZ(57.7981, 73.0483,
49.5815)**

Conversions

Conversions Part 1

Format	Color
Hex	BCEBAB
RGB	188, 235, 171
RGB Percent	74%, 92%, 67%
CMY	0.2627, 0.0784, 0.3294
CMYK	0.20, 0.00, 0.27, 0.08
HSL	104°, 62%, 80%
HSV	104°, 27%, 92%
XYZ	57.7981, 73.0483, 49.5815
YIQ	213.6510, -7.4680, -29.8680

Conversions

Conversions Part 2

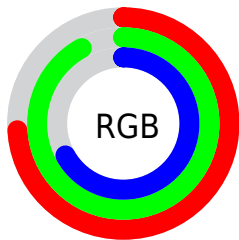
Format	Color
RYB	171, 235, 218
Decimal	12381099
CIELab	88.47, -26.70, 26.25
CIELCh	88, 37.445, 135.482
Yxy	73.0483, 0.3203, 0.4049
Android (android.graphics.Color)	4290571179 (0xFFBCEBAB)
YUV	213.6510, -21.0269, -22.4959
Hunter-Lab	85.4683, -28.8586, 25.4328

Details

The XYZ color **57.7981, 73.0483, 49.5815** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4747, 50.0314, 85.1762**, and the grayscale version is **63.8240, 67.1478, 73.1240**.

A 20% lighter version of the original color is **87.2813, 96.4785, 86.6950**, and **29.2216, 38.6165, 23.0531** is the 20% darker color. If you saturate the color by 10%, you get **51.7542, 70.1710, 38.6272**, and if you desaturate by 10%, it is **64.7526, 76.3534, 62.6603**.

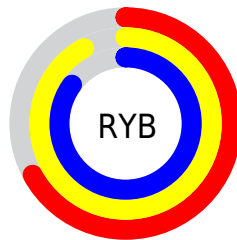
Distribution



Red (74%)

Green (92%)

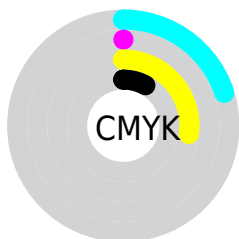
Blue (67%)



Red (67%)

Yellow (92%)

Blue (85%)

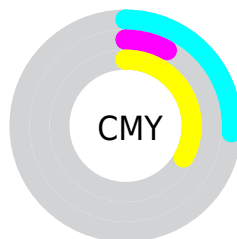


Cyan (20%)

Magenta (0%)

Yellow (27%)

Black (8%)



Cyan (26%)

Magenta (8%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7981, 73.0483, 49.5815 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 57.7981, 73.0483, 49.5815 by changing the saturation by 10% instead.

■ 57.7981, 73.0483,
49.5815

■ 57.7981, 73.0483,
49.5815

406.3992,
471.1822, 401.7152

■ 41.8890, 54.0155,
34.7121

■ 100.7534,
123.5458, 90.9444

■ 29.2051, 38.6140,
23.1594

128.5304,
155.7792, 118.2750

■ 19.3811, 26.4596,
14.5049

160.9940,
193.1816, 150.5965

■ 12.0516, 17.1678,
8.3299

198.5096,
236.1374, 188.3273

■ 6.8513, 10.3542,
4.2160

241.4425,
285.0309, 231.8861

■ 3.4148, 5.6344,
1.7446


290.1582,

■ 1.3767, 2.6241,


340.2467, 281.6913


0.3910


345.0220,
402.1690, 338.1614


 0.2395, 0.9388,
0.0000

 0.0000, 0.0000,
0.0000


 57.7981, 73.0483,
49.5815


 57.7981, 73.0483,
49.5815


 51.7542, 70.1710,
38.6272


 64.7526, 76.3534,
62.6603


 46.5763, 67.6943,
29.6806

 72.6485, 80.0933,
77.9624

 42.2242, 65.6025,
22.6211

 81.5221, 84.2870,
95.5864

 38.6524, 63.8749,
17.3131

 88.9998, 87.8996,
106.8833

■ 35.8103, 62.4889,
13.6029

■ 33.6405, 61.4189,
11.3102

■ 32.0731, 60.6338,
10.1997

■ 31.7226, 60.4572,
9.9975

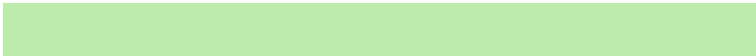
Harmonies

Analogous

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



64.9086, 73.0483, 40.6710



57.7981, 73.0483, 49.5815



53.9766, 73.0483, 67.7394

Triad

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



57.7981, 73.0483, 49.5815



65.1783, 73.0483, 137.8691



87.4952, 73.0483, 67.0170

Complementary

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



57.7981, 73.0483, 49.5815



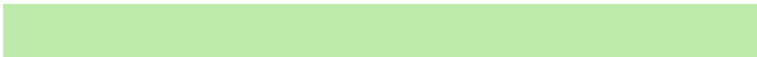
58.4747, 50.0314, 85.1762

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.



87.5833, 73.0483, 92.6309



57.7981, 73.0483, 49.5815



74.1571, 73.0483, 137.5574

Square

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



57.7981, 73.0483, 49.5815



57.9808, 73.0483, 120.4081



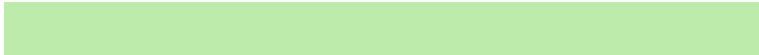
82.5268, 73.0483, 119.6310



82.2956, 73.0483, 49.1517

Rectangle

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



57.7981, 73.0483, 49.5815



53.5770, 73.0483, 84.3711



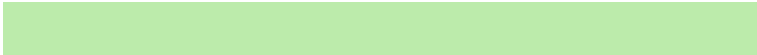
82.5268, 73.0483, 119.6310



88.1376, 73.0483, 74.8915

Sweetspot

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



57.8000, 73.0514, 49.5831



86.6390, 96.0235, 92.2626



66.6687, 70.7139, 48.6645



18.2240, 20.4014, 19.1217



0.0000, 0.0000, 0.0000



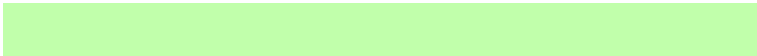
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8000, 73.0514, 49.5831



65.1397, 85.8183, 51.5845



55.3610, 71.6202, 57.3250



15.2436, 17.0556, 16.0074



17.7570, 33.6986, 5.5686



1.4829, 2.6918, 0.4414

Inverse Universe

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



58.4747, 50.0314, 85.1762



66.0747, 53.5540, 101.4622



61.7536, 51.9607, 74.5342



15.3018, 15.1009, 19.0305



18.0127, 8.3218, 44.3999



1.5045, 0.6999, 3.4907

Previews

White Background



This preview shows how the XYZ color 57.7981, 73.0483, 49.5815 looks on a white background.

Color Contrast Check

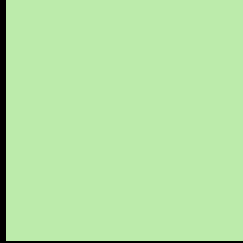
Large Text (above 18pt) WCAG AA × Fail

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 57.7981, 73.0483, 49.5815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

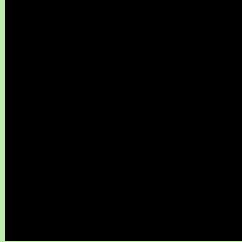
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7981, 73.0483, 49.5815

Background



This preview shows how black text looks on a background with the XYZ color 57.7981, 73.0483, 49.5815.

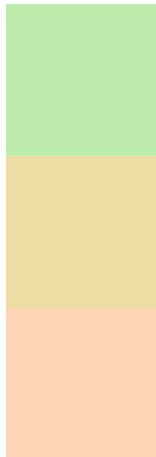


This preview shows how white text looks on a background with the XYZ color 57.7981, 73.0483,

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

57.7981, 73.0483, 49.5815

Protanopia

67.5730, 72.4340, 46.0170

Deuteranopia

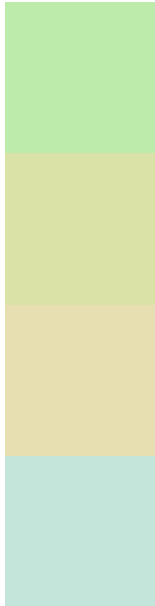
73.6271, 72.6893, 53.8659



Tritanopia

67.3449, 73.2037, 96.1682

Trichromacy



Original Color

57.7981, 73.0483, 49.5815

Protanomaly

63.3848, 72.2428, 47.1627

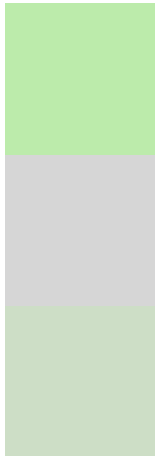
Deuteranomaly

67.0121, 72.4058, 52.0388

Tritanomaly

63.3086, 72.7841, 76.3577

Monochromacy



Original Color

57.7981, 73.0483, 49.5815

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.4912, 69.2989, 63.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7981, 73.0483, 49.5815 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, 235, 171)` looks like.

```
.text, #text, p{  
    color:rgb(188, 235, 171)  
}
```

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, 235, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 235, 171) }
```

Border

The CSS property to change the border of an element to XYZ 57.7981, 73.0483, 49.5815 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, 235, 171) }
```


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

```
.border{ border-color:rgb(188, 235, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 235, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 235, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 235, 171);  
box-shadow:4px 4px 4px 4px rgb(188, 235,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7981, 73.0483, 49.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 235, 171) }
```

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

```
.background{ background-color: rgb(188,  
235, 171) }
```

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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