

Converting Colors

XYZ(58.3657, 74.5745, 49.4192)

Have a look what the booklet for
XYZ(58.3657, 74.5745, 49.4192)
contains.

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Color

**XYZ(58.3238, 74.6161,
49.3586)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEEAA
RGB	187, 238, 170
RGB Percent	73%, 93%, 67%
CMY	0.2667, 0.0666, 0.3333
CMYK	0.21, 0.00, 0.29, 0.07
HSL	105°, 67%, 80%
HSV	105°, 29%, 93%
XYZ	58.3238, 74.6161, 49.3586
YIQ	214.9990, -8.5680, -31.9600

Conversions

Conversions Part 2

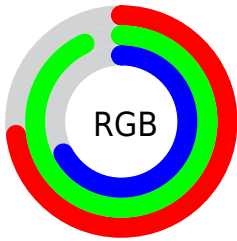
Format	Color
RYB	170, 238, 221
Decimal	12316330
CIELab	89.21, -28.62, 27.76
CIElCh	89, 39.872, 135.868
Yxy	74.6161, 0.3199, 0.4093
Android (android.graphics.Color)	4290506410 (0xFFBBEEAA)
YUV	214.9990, -22.1845, -24.5551
Hunter-Lab	86.3806, -30.6437, 26.5876

Details

The XYZ color **58.3238, 74.6161, 49.3586** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6292, 50.2968, 87.4582**, and the grayscale version is **64.7419, 68.1136, 74.1757**.

A 20% lighter version of the original color is **86.7957, 96.2441, 85.9539**, and **29.6117, 39.7268, 22.9370** is the 20% darker color. If you saturate the color by 10%, you get **52.1745, 71.6852, 38.3633**, and if you desaturate by 10%, it is **65.4275, 77.9963, 62.5293**.

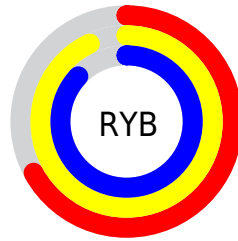
Distribution



Red (73%)

Green (93%)

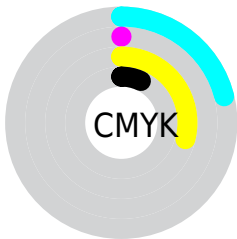
Blue (67%)



Red (67%)

Yellow (93%)

Blue (87%)

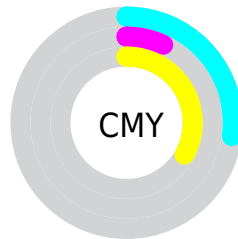


Cyan (21%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (27%)

Magenta (7%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3238, 74.6161, 49.3586 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 58.3238, 74.6161, 49.3586 by changing the saturation by 10% instead.

■ 58.3238, 74.6161,
49.3586

■ 58.3238, 74.6161,
49.3586

408.3258,
476.5970, 400.8153

■ 42.3133, 55.2984,
34.5364

■ 101.5145,
125.7688, 90.6103

■ 29.5389, 39.6407,
23.0253

129.4254,
158.3726, 117.8769

■ 19.6352, 27.2585,
14.4067

162.0338,
196.1739, 150.1288

■ 12.2368, 17.7675,
8.2621

199.7051,
239.5572, 187.7844

■ 6.9785, 10.7832,
4.1730

242.8045,
288.9067, 231.2623

■ 3.4949, 5.9212,
1.7207


291.6976,

■ 1.4206, 2.7972,


344.6069, 280.9811


0.3749


346.7496,
407.0422, 337.3592


 0.2708, 1.0268,
0.0000


 0.0000, 0.0000,
0.0000


 58.3238, 74.6161,
49.3586


 58.3238, 74.6161,
49.3586


 52.1745, 71.6852,
38.3633


 65.4275, 77.9963,
62.5293

 46.9319, 69.1751,
29.4216

 73.5191, 81.8341,
77.9785

 42.5529, 67.0683,
22.4073

 82.6372, 86.1494,
95.8087

 38.9882, 65.3427,
17.1783

 89.8660, 89.6320,
107.1720

■ 36.1832, 63.9736,
13.5730

■ 34.0756, 62.9330,
11.4004

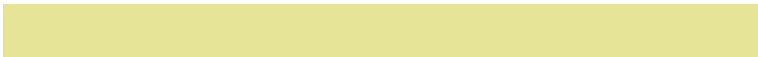
■ 32.5840, 62.1850,
10.3832

■ 32.4091, 62.0970,
10.2778

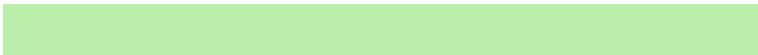
Harmonies

Analogous

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



65.9278, 74.6161, 39.8400



58.3238, 74.6161, 49.3586



54.2831, 74.6161, 68.8531

Triad

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



58.3238, 74.6161, 49.3586



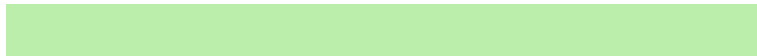
66.4504, 74.6161, 145.0558



90.4783, 74.6161, 67.4593

Complementary

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



58.3238, 74.6161, 49.3586



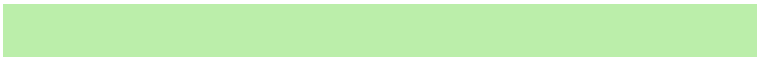
59.6292, 50.2968, 87.4582

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.



90.6509, 74.6161, 95.0394



58.3238, 74.6161, 49.3586



76.1588, 74.6161, 144.4387

Square

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



58.3238, 74.6161, 49.3586



58.6761, 74.6161, 126.0802



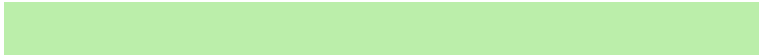
85.2114, 74.6161, 124.5487



84.7595, 74.6161, 48.5403

Rectangle

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



58.3238, 74.6161, 49.3586



53.8923, 74.6161, 86.8450



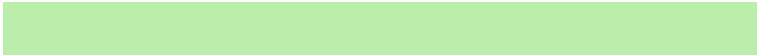
85.2114, 74.6161, 124.5487



91.2034, 74.6161, 75.8897

Sweetspot

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



58.3257, 74.6193, 49.3602



85.5210, 95.4893, 90.3050



68.3751, 72.7956, 48.4786



17.9951, 20.2918, 18.7316



0.0000, 0.0000, 0.0000



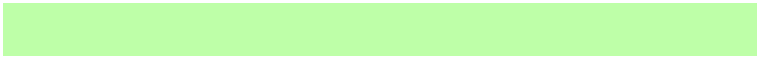
20.3446, 21.4041, 23.3091

Same Dimension

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



58.3257, 74.6193, 49.3602



64.0843, 85.3020, 50.2798



56.1240, 73.2863, 58.2030



15.9361, 17.8472, 16.7547



18.1795, 34.6934, 5.7383



1.6005, 2.9316, 0.4815

Inverse Universe

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



59.6292, 50.2968, 87.4582



65.8193, 52.7149, 101.3137



62.6885, 52.1490, 75.1714



16.0459, 15.8209, 19.9296



19.0423, 8.8221, 45.8271



1.6742, 0.7804, 3.8166

Previews

White Background



This preview shows how the XYZ color 58.3238, 74.6161, 49.3586 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 58.3238, 74.6161, 49.3586 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 58.3238, 74.6161, 49.3586

Background



This preview shows how black text looks on a background with the XYZ color 58.3238, 74.6161, 49.3586.

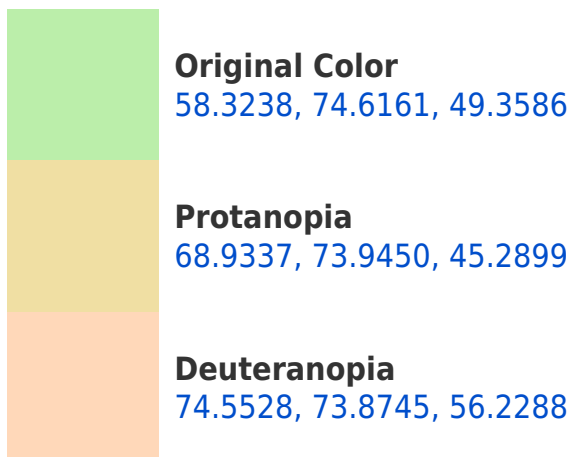


This preview shows how white text looks on a background with the XYZ color 58.3238, 74.6161,

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

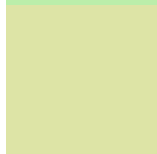
67.9311, 74.2827, 97.9464

Trichromacy



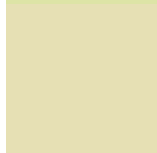
Original Color

58.3238, 74.6161, 49.3586



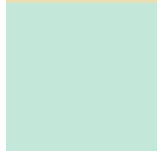
Protanomaly

64.4451, 73.6121, 46.8883



Deuteranomaly

67.5270, 73.4296, 53.7943



Tritanomaly

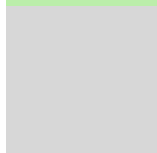
64.0172, 74.3773, 77.3119

Monochromacy



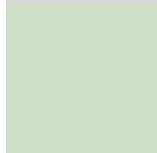
Original Color

58.3238, 74.6161, 49.3586



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.8733, 69.8780, 64.2596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3238, 74.6161, 49.3586 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, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 238, 170)  
}
```

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, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 238, 170) }
```

Border

The CSS property to change the border of an element to XYZ 58.3238, 74.6161, 49.3586 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, 238, 170) }
```


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

```
.border{ border-color:rgb(187, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 238,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3238, 74.6161, 49.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 238, 170) }
```

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

```
.background{ background-color: rgb(187,  
238, 170) }
```

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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