

Converting Colors

XYZ(57.9669, 72.7258, 45.9559)

Have a look what the booklet for
XYZ(57.9669, 72.7258, 45.9559)
contains.

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Color

**XYZ(58.1160, 72.8634,
46.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EAA4
RGB	193, 234, 164
RGB Percent	76%, 92%, 64%
CMY	0.2431, 0.0823, 0.3569
CMYK	0.18, 0.00, 0.30, 0.08
HSL	95°, 63%, 78%
HSV	95°, 30%, 92%
XYZ	58.1160, 72.8634, 46.1230
YIQ	213.7610, -1.9660, -30.4620

Conversions

Conversions Part 2

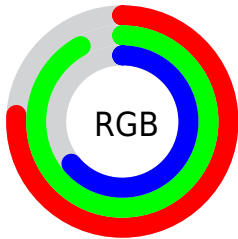
Format	Color
RYB	164, 234, 205
Decimal	12708516
CIELab	88.38, -25.54, 29.77
CIELCh	88, 39.223, 130.635
Yxy	72.8634, 0.3281, 0.4114
Android (android.graphics.Color)	4290898596 (0xFFC1EAA4)
YUV	213.7610, -24.5322, -18.2074
Hunter-Lab	85.3601, -27.8513, 27.7156

Details

The XYZ color **58.1160, 72.8634, 46.1230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.3066, 45.4726, 83.8133**, and the grayscale version is **63.9181, 67.2468, 73.2318**.

A 20% lighter version of the original color is **87.9705, 96.9585, 81.0961**, and **29.3263, 38.4139, 21.1982** is the 20% darker color. If you saturate the color by 10%, you get **52.8608, 70.3786, 35.8426**, and if you desaturate by 10%, it is **64.0877, 75.6770, 58.4695**.

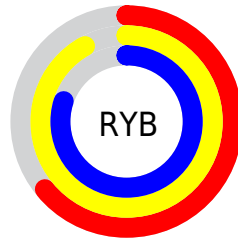
Distribution



Red (76%)

Green (92%)

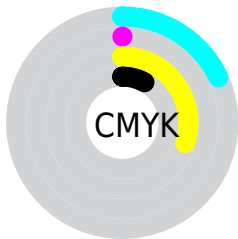
Blue (64%)



Red (64%)

Yellow (92%)

Blue (80%)

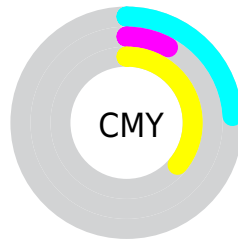


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (8%)



Cyan (24%)

Magenta (8%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1160, 72.8634, 46.1230 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 58.1160, 72.8634, 46.1230 by changing the saturation by 10% instead.

■ 58.1160, 72.8634,
46.1230

■ 58.1160, 72.8634,
46.1230

407.5649,
470.5412, 387.5949

■ 42.1455, 53.8643,
31.9935

■ 101.2138,
123.2833, 85.7393

■ 29.4069, 38.4932,
21.0918

■ 129.0718,
155.4728, 112.0631

■ 19.5347, 26.3657,
12.9992

161.6230,
192.8279, 143.2889

■ 12.1635, 17.0974,
7.2973

199.2328,
235.7330, 179.8351

■ 6.9281, 10.3040,
3.5675

242.2665,
284.5725, 222.1202

■ 3.4631, 5.6010,
1.3912


291.0896,

■ 1.4031, 2.6040,


339.7308, 270.5629


0.1348


346.0673,
401.5922, 325.5816


 0.2585, 0.9287,
0.0000


 0.0000, 0.0000,
0.0000


 58.1160, 72.8634,
46.1230


 58.1160, 72.8634,
46.1230


 52.8608, 70.3786,
35.8426


 64.0877, 75.6770,
58.4695


 48.2865, 68.2001,
27.5107

 70.7984, 78.8223,
72.9816

 44.3622, 66.3170,
21.0052

 78.2765, 82.3138,
89.7581

 41.0524, 64.7139,
16.1882

 86.1249, 85.9937,
106.6669

■ 38.3171, 63.3737,
12.9021

■ 88.7143, 87.3286,
106.7881

■ 36.1103, 62.2768,
10.9599

■ 34.3607, 61.3933,
10.0448

■ 34.3472, 61.3864,
10.0385

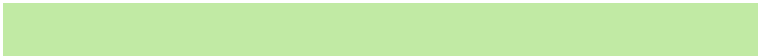
Harmonies

Analogous

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



65.9653, 72.8634, 38.4950



58.1160, 72.8634, 46.1230



53.5337, 72.8634, 63.3489

Triad

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



58.1160, 72.8634, 46.1230



63.4207, 72.8634, 139.0256



88.6245, 72.8634, 70.1425

Complementary

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



58.1160, 72.8634, 46.1230



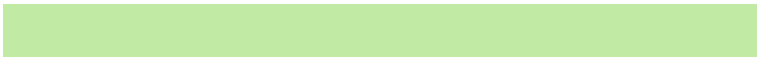
53.3066, 45.4726, 83.8133

Split Complementary

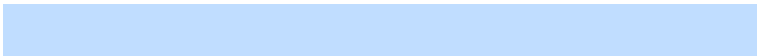
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7860, 72.8634, 97.8087



58.1160, 72.8634, 46.1230



72.6513, 72.8634, 142.0171

Square

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



58.1160, 72.8634, 46.1230



56.3988, 72.8634, 118.1388



81.7323, 72.8634, 125.5698



83.9288, 72.8634, 50.1224

Rectangle

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



58.1160, 72.8634, 46.1230



52.6762, 72.8634, 79.9123



81.7323, 72.8634, 125.5698



88.9904, 72.8634, 78.7622

Sweetspot

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



58.1179, 72.8666, 46.1246



86.7987, 96.1480, 90.3648



62.4269, 63.7586, 44.1395



18.3085, 20.4533, 18.7463



0.0000, 0.0000, 0.0000



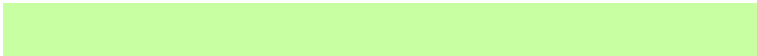
20.3446, 21.4041, 23.3091

Same Dimension

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



58.1179, 72.8666, 46.1246



66.5375, 86.6206, 47.9569



51.9748, 69.6374, 48.6509



15.4594, 17.1669, 16.0175



19.4357, 34.5639, 5.6471



1.6332, 2.7693, 0.4484

Inverse Universe

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



53.3066, 45.4726, 83.8133



59.7897, 48.2329, 100.7664



61.2367, 49.6560, 79.8808



15.0767, 14.9848, 19.0200



14.2955, 6.4055, 44.2259



1.2315, 0.5592, 3.4779

Previews

White Background



This preview shows how the XYZ color 58.1160, 72.8634, 46.1230 looks on a white background.

Color Contrast Check

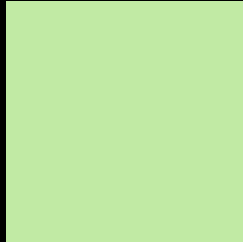
Large Text (above 18pt) WCAG AA × Fail

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 58.1160, 72.8634, 46.1230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

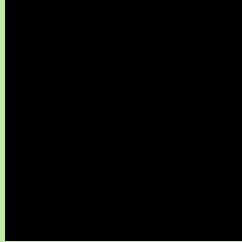
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1160, 72.8634, 46.1230

Background



This preview shows how black text looks on a background with the XYZ color 58.1160, 72.8634, 46.1230.

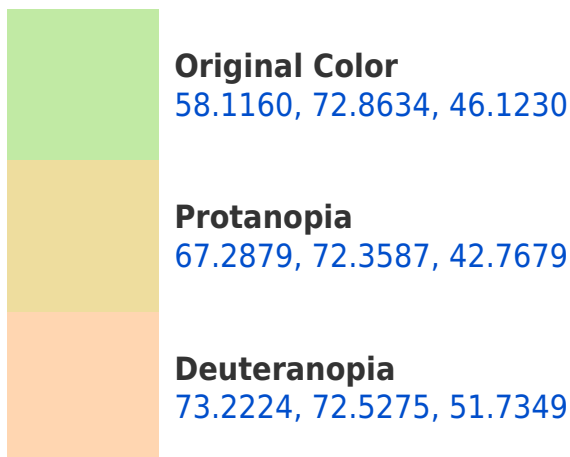


This preview shows how white text looks on a background with the XYZ color 58.1160, 72.8634,

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

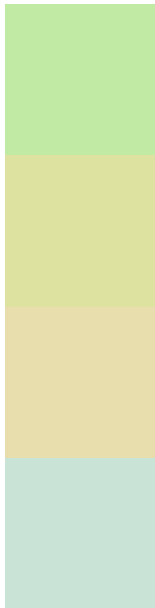




Tritanopia

67.8595, 72.7012, 94.4606

Trichromacy



Original Color

58.1160, 72.8634, 46.1230

Protanomaly

63.6657, 72.4604, 43.8884

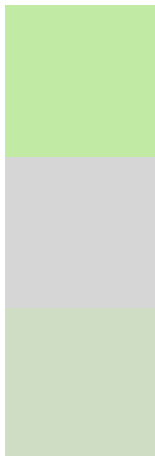
Deuteranomaly

66.5816, 71.8473, 49.3884

Tritanomaly

63.9684, 72.7594, 74.2908

Monochromacy



Original Color

58.1160, 72.8634, 46.1230

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.2739, 68.8202, 62.2787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1160, 72.8634, 46.1230 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(193, 234, 164)` looks like.

```
.text, #text, p{  
    color:rgb(193, 234, 164)  
}
```

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(193, 234, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 234, 164) }
```

Border

The CSS property to change the border of an element to XYZ 58.1160, 72.8634, 46.1230 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(193, 234, 164) }
```


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

```
.border{ border-color:rgb(193, 234, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 234, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 234, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 234, 164);  
box-shadow:4px 4px 4px 4px rgb(193, 234,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1160, 72.8634, 46.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 234, 164) }
```

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

```
.background{ background-color: rgb(193,  
234, 164) }
```

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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