

Converting Colors

XYZ(59.1467, 72.9117, 68.0870)

Have a look what the booklet for
XYZ(59.1467, 72.9117, 68.0870)
contains.

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Color

**XYZ(59.1443, 72.9086,
68.0823)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EACC
RGB	180, 234, 204
RGB Percent	71%, 92%, 80%
CMY	0.2941, 0.0823, 0.2000
CMYK	0.23, 0.00, 0.13, 0.08
HSL	147°, 56%, 81%
HSV	147°, 23%, 92%
XYZ	59.1443, 72.9086, 68.0823
YIQ	214.4340, -22.5540, -20.7780

Conversions

Conversions Part 2

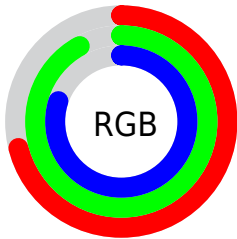
Format	Color
RYB	180, 217, 234
Decimal	11856588
CIELab	88.40, -23.15, 8.98
CIElCh	88, 24.831, 158.789
Yxy	72.9086, 0.2955, 0.3643
Android (android.graphics.Color)	4290046668 (0xFFB4EACC)
YUV	214.4340, -5.1440, -30.1986
Hunter-Lab	85.3865, -25.7857, 12.4961

Details

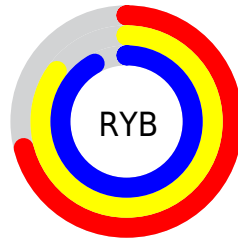
The XYZ color **59.1443, 72.9086, 68.0823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8883, 54.7898, 68.2895**, and the grayscale version is **64.2550, 67.6013, 73.6178**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.0296, 38.4784, 34.6985** is the 20% darker color. If you saturate the color by 10%, you get **52.6552, 69.7381, 59.9764**, and if you desaturate by 10%, it is **66.6872, 76.6114, 76.9202**.

Distribution



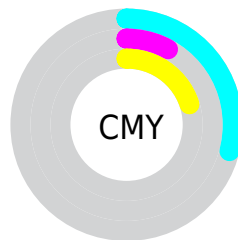
- Red (71%)
- Green (92%)
- Blue (80%)



- Red (71%)
- Yellow (85%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1443, 72.9086, 68.0823 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 59.1443, 72.9086, 68.0823 by changing the saturation by 10% instead.

■ 59.1443, 72.9086,
68.0823

■ 59.1443, 72.9086,
68.0823

411.3219,
470.6980, 472.3935

■ 42.9761, 53.9012,
49.4976

■ 102.7008,
123.3474, 118.1252

■ 30.0608, 38.5227,
34.6460

130.8198,
155.5477, 150.4205

■ 20.0331, 26.3886,
23.1089

163.6531,
192.9144, 188.1230

■ 12.5275, 17.1146,
14.4679

201.5661,
235.8319, 231.6513

■ 7.1787, 10.3162,
8.3044

244.9241,
284.6846, 281.4240

■ 3.6214, 5.6091,
4.1998


294.0925,


■ 1.4903, 2.6089,


339.8569, 337.8596


1.7356


349.4367,
401.7333, 401.3766


 0.3192, 0.9311,
0.3849


 0.0000, 0.0000,
0.0000


 59.1443, 72.9086,
68.0823

 59.1443, 72.9086,
68.0823


 52.6552, 69.7381,
59.9764


 66.6872, 76.6114,
76.9202


 47.1647, 67.0657,
52.5787

 75.3240, 80.8606,
86.5032

 42.6213, 64.8672,
45.8713

 85.0997, 85.6813,
96.8503

 38.9663, 63.1128,
39.8334

 88.7142, 87.3284,
106.7881

■ 36.1341, 61.7692,
34.4434

■ 34.0495, 60.7978,
29.6782

■ 32.6217, 60.1525,
25.5129

■ 31.9227, 59.8478,
22.9651

Harmonies

Analogous

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



62.3570, 72.9086, 56.4329



59.1443, 72.9086, 68.0823



58.5681, 72.9086, 84.5110

Triad

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



59.1443, 72.9086, 68.0823



71.0649, 72.9086, 116.4782



78.6286, 72.9086, 60.5323

Complementary

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



59.1443, 72.9086, 68.0823



61.8883, 54.7898, 68.2895

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.



81.2631, 72.9086, 74.4707



59.1443, 72.9086, 68.0823



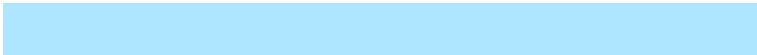
76.7346, 72.9086, 107.8438

Square

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



59.1443, 72.9086, 68.0823



65.2294, 72.9086, 114.1185



80.5507, 72.9086, 91.8743



73.5311, 72.9086, 52.5285

Rectangle

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



59.1443, 72.9086, 68.0823



59.7226, 72.9086, 96.2801



80.5507, 72.9086, 91.8743



79.8446, 72.9086, 64.5920

Sweetspot

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



59.1463, 72.9116, 68.0839



87.2293, 96.1480, 100.4135



64.4131, 75.9342, 54.4428



18.5331, 20.5120, 21.3406



0.0000, 0.0000, 0.0000



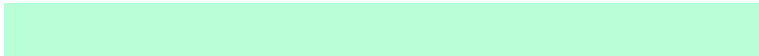
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1463, 72.9116, 68.0839



67.7399, 86.5844, 77.6558



62.5868, 74.2879, 86.2015



15.1465, 16.9734, 17.4543



17.9992, 33.6541, 13.2266



1.4611, 2.6618, 1.2900

Inverse Universe

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



61.8883, 54.7898, 68.2895



71.6530, 60.7172, 77.9449



58.8649, 53.5805, 52.3685



15.4158, 15.1942, 17.4749



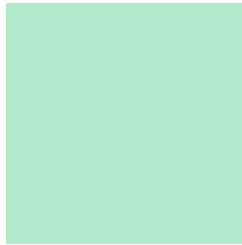
21.3966, 10.7613, 13.1557



1.7285, 0.8643, 1.2874

Previews

White Background



This preview shows how the XYZ color 59.1443, 72.9086, 68.0823 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 59.1443, 72.9086, 68.0823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

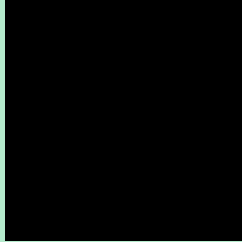
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

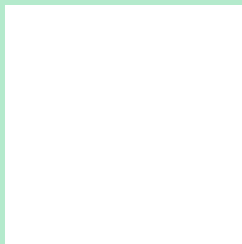
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.1443, 72.9086, 68.0823

Background



This preview shows how black text looks on a background with the XYZ color 59.1443, 72.9086, 68.0823.

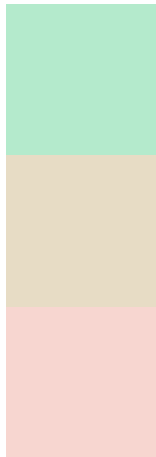


This preview shows how white text looks on a background with the XYZ color 59.1443, 72.9086,

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

59.1443, 72.9086, 68.0823

Protanopia

68.6262, 72.2065, 63.1436

Deuteranopia

73.7895, 72.4214, 69.7641



Tritanopia

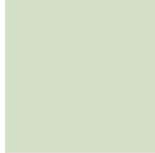
65.1170, 72.8320, 97.8147

Trichromacy



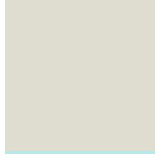
Original Color

59.1443, 72.9086, 68.0823



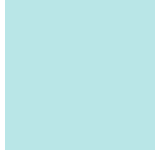
Protanomaly

64.5019, 72.0176, 65.1448



Deuteranomaly

67.5504, 71.9059, 69.3504



Tritanomaly

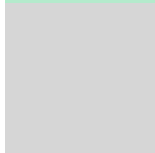
62.7282, 72.6774, 86.3233

Monochromacy



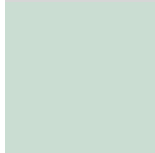
Original Color

59.1443, 72.9086, 68.0823



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.8464, 68.9226, 71.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1443, 72.9086, 68.0823 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(180, 234, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 234, 204)  
}
```

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(180, 234, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 234, 204) }
```

Border

The CSS property to change the border of an element to XYZ 59.1443, 72.9086, 68.0823 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(180, 234, 204) }
```


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

```
.border{ border-color:rgb(180, 234, 204) }
```

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

Here you see how a box with a 4 pixel rgb(180, 234, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 234, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 234, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 234,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1443, 72.9086, 68.0823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 234, 204) }
```

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

```
.background{ background-color: rgb(180,  
234, 204) }
```

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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