

Converting Colors

XYZ(59.8433, 71.9167, 66.6843)

Have a look what the booklet for
XYZ(59.8433, 71.9167, 66.6843)
contains.

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Color

**XYZ(59.9756, 72.1075,
66.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE7CA
RGB	188, 231, 202
RGB Percent	74%, 91%, 79%
CMY	0.2627, 0.0941, 0.2078
CMYK	0.19, 0.00, 0.13, 0.09
HSL	140°, 47%, 82%
HSV	140°, 19%, 91%
XYZ	59.9756, 72.1075, 66.6342
YIQ	214.8370, -16.3190, -18.1350

Conversions

Conversions Part 2

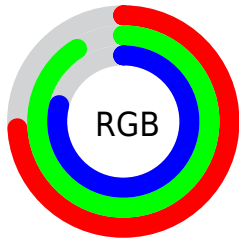
Format	Color
RYB	188, 220, 231
Decimal	12380106
CIELab	88.02, -19.50, 9.54
CIELCh	88, 21.713, 153.926
Yxy	72.1075, 0.3018, 0.3629
Android (android.graphics.Color)	4290570186 (0xFFBCE7CA)
YUV	214.8370, -6.3286, -23.5360
Hunter-Lab	84.9161, -22.5301, 12.9161

Details

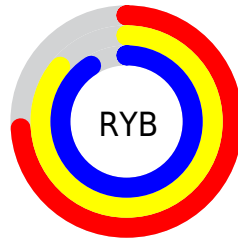
The XYZ color **59.9756, 72.1075, 66.6342** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.4651, 57.9668, 73.4925**, and the grayscale version is **64.5320, 67.8927, 73.9352**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **30.5068, 37.8664, 33.7180** is the 20% darker color. If you saturate the color by 10%, you get **52.9816, 68.7065, 57.1592**, and if you desaturate by 10%, it is **68.0707, 76.0587, 77.1361**.

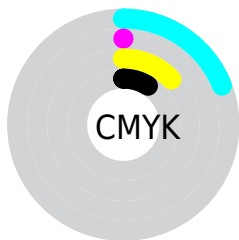
Distribution



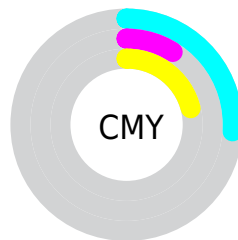
- Red (74%)
- Green (91%)
- Blue (79%)



- Red (74%)
- Yellow (86%)
- Blue (91%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)





- Cyan (26%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9756, 72.1075, 66.6342 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 59.9756, 72.1075, 66.6342 by changing the saturation by 10% instead.


 59.9756, 72.1075,
66.6342

 59.9756, 72.1075,
66.6342


414.3440,
467.9157, 467.1076

 43.6484, 53.2465,
48.3277


 103.9008,
122.2094, 116.0318

 30.5909, 37.9996,
33.7246


132.2295,
154.2190, 147.9599

 20.4378, 25.9824,
22.4065


165.2894,
191.3803, 185.2656

 12.8238, 16.8104,
13.9547

203.4458,
234.0777, 228.3676

 7.3835, 10.0994,
7.9508

247.0641,
282.6955, 277.6842

 3.7515, 5.4649,
3.9761


296.5097,

 1.5625, 2.5226,


337.6182, 333.6340


1.6123


352.1479,
399.2301, 396.6356


 0.3678, 0.8879,
0.2995


 0.0000, 0.0000,
0.0000


 59.9756, 72.1075,
66.6342


 59.9756, 72.1075,
66.6342


 52.9816, 68.7065,
57.1592


 68.0707, 76.0587,
77.1361


 47.0341, 65.8220,
48.6752

 77.3066, 80.5738,
88.6896

 42.0824, 63.4308,
41.1514

 86.8759, 85.2381,
101.2848

 38.0694, 61.5039,
34.5533

 87.8673, 85.6346,
106.5058

■ 34.9317, 60.0094,
28.8447

■ 32.5979, 58.9114,
23.9866

■ 30.9842, 58.1675,
19.9371

■ 29.9698, 57.7162,
16.6494

■ 29.8544, 57.6655,
16.2508

Harmonies

Analogous

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



63.1275, 72.1075, 57.1485



59.9756, 72.1075, 66.6342



59.0744, 72.1075, 80.4817

Triad

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



59.9756, 72.1075, 66.6342



69.2201, 72.1075, 110.5371



77.1345, 72.1075, 63.6482

Complementary

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



59.9756, 72.1075, 66.6342



63.4651, 57.9668, 73.4925

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.



78.9575, 72.1075, 76.5763



59.9756, 72.1075, 66.6342



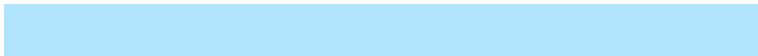
74.2449, 72.1075, 104.6312

Square

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



59.9756, 72.1075, 66.6342



64.2521, 72.1075, 107.0138



77.8745, 72.1075, 91.7253



73.0062, 72.1075, 55.5829

Rectangle

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



59.9756, 72.1075, 66.6342



59.8314, 72.1075, 90.6552



77.8745, 72.1075, 91.7253



78.0464, 72.1075, 67.5061

Sweetspot

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



59.9776, 72.1105, 66.6358



88.0262, 96.5659, 100.1308



66.3851, 75.5967, 58.6705



18.6844, 20.5925, 21.2341



0.0000, 0.0000, 0.0000



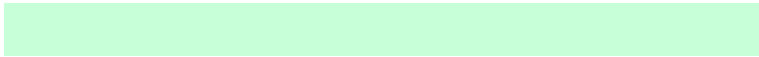
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9776, 72.1105, 66.6358



71.8324, 88.6667, 79.0860



62.6523, 73.1804, 80.7207



14.3818, 16.1661, 16.2753



16.7867, 32.3468, 9.3769



1.2819, 2.4069, 0.9112

Inverse Universe

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



63.4651, 57.9668, 73.4925



76.8879, 68.1598, 89.0223



60.8909, 56.9371, 59.9368



14.7851, 14.5312, 17.0686



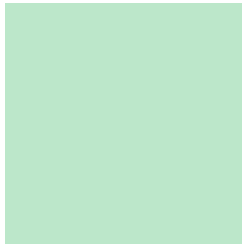
21.8887, 10.8897, 18.8409



1.6597, 0.8216, 1.6146

Previews

White Background



This preview shows how the XYZ color 59.9756, 72.1075, 66.6342 looks on a white background.

Color Contrast Check

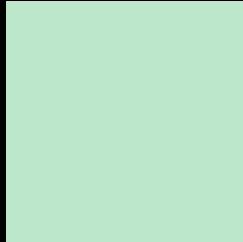
Large Text (above 18pt) WCAG AA × Fail

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 59.9756, 72.1075, 66.6342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

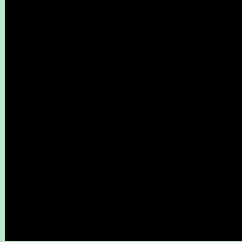
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

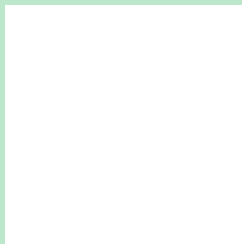
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9756, 72.1075, 66.6342

Background



This preview shows how black text looks on a background with the XYZ color 59.9756, 72.1075, 66.6342.

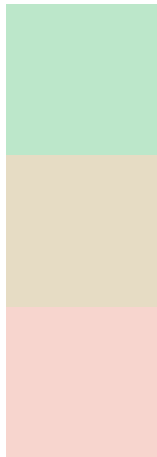


This preview shows how white text looks on a background with the XYZ color 59.9756, 72.1075,

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

59.9756, 72.1075, 66.6342

Protanopia

68.1901, 71.9949, 62.5270

Deuteranopia

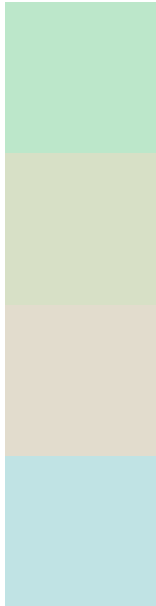
73.2926, 71.8189, 68.3920



Tritanopia

65.6086, 71.9236, 95.2187

Trichromacy



Original Color

59.9756, 72.1075, 66.6342

Protanomaly

64.8730, 71.8356, 63.8726

Deuteranomaly

67.9767, 71.7629, 68.0265

Tritanomaly

63.2109, 71.7461, 83.9156

Monochromacy



Original Color

59.9756, 72.1075, 66.6342

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

62.6661, 69.3452, 71.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9756, 72.1075, 66.6342 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, 231, 202)` looks like.

```
.text, #text, p{  
    color:rgb(188, 231, 202)  
}
```

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, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 231, 202) }
```

Border

The CSS property to change the border of an element to XYZ 59.9756, 72.1075, 66.6342 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, 231, 202) }
```


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

```
.border{ border-color:rgb(188, 231, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 231, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(188, 231,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9756, 72.1075, 66.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 231, 202) }
```

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

```
.background{ background-color: rgb(188,  
231, 202) }
```

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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