

Converting Colors

XYZ(58.9867, 70.1641, 56.8897)

Have a look what the booklet for
XYZ(58.9867, 70.1641, 56.8897)
contains.

XYZ(59.0970, 70.2191, 56.8933)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.0970, 70.2191,
56.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E3BA
RGB	196, 227, 186
RGB Percent	77%, 89%, 73%
CMY	0.2314, 0.1098, 0.2706
CMYK	0.14, 0.00, 0.18, 0.11
HSL	105°, 42%, 81%
HSV	105°, 18%, 89%
XYZ	59.0970, 70.2191, 56.8933
YIQ	213.0570, -5.3150, -19.3230

Conversions

Conversions Part 2

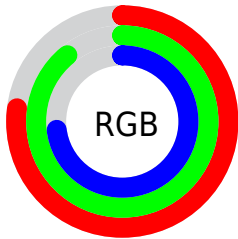
Format	Color
RYB	186, 227, 217
Decimal	12903354
CIELab	87.10, -17.66, 16.68
CIELCh	87, 24.290, 136.638
Yxy	70.2191, 0.3174, 0.3771
Android (android.graphics.Color)	4291093434 (0xFFC4E3BA)
YUV	213.0570, -13.3391, -14.9590
Hunter-Lab	83.7968, -20.7589, 18.4032

Details

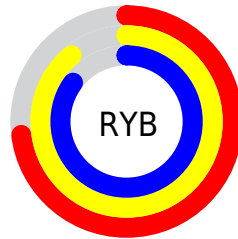
The XYZ color **59.0970, 70.2191, 56.8933** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0421, 55.4175, 80.2088**, and the grayscale version is **63.3746, 66.6750, 72.6090**.

A 20% lighter version of the original color is **92.2950, 98.8135, 98.2128**, and **30.1415, 36.9493, 27.7336** is the 20% darker color. If you saturate the color by 10%, you get **52.6611, 67.1604, 44.9798**, and if you desaturate by 10%, it is **66.4310, 73.7006, 70.8530**.

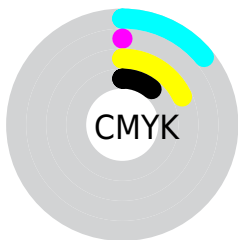
Distribution



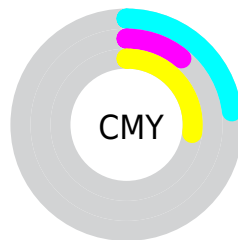
- Red (77%)
- Green (89%)
- Blue (73%)



- Red (73%)
- Yellow (89%)
- Blue (85%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0970, 70.2191, 56.8933 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 59.0970, 70.2191, 56.8933 by changing the saturation by 10% instead.

■ 59.0970, 70.2191,
56.8933

■ 59.0970, 70.2191,
56.8933

411.1496,
461.3189, 430.5319

■ 42.9379, 51.7052,
40.5108

■ 102.6325,
119.5212, 101.8083

■ 30.0307, 36.7701,
27.6202

130.7395,
151.0781, 131.1778

■ 20.0101, 25.0296,
17.8030

163.5599,
187.7514, 165.7134

■ 12.5107, 16.0991,
10.6407

201.4590,
229.9257, 205.8337

■ 7.1671, 9.5943,
5.7147

244.8021,
277.9851, 251.9572

■ 3.6141, 5.1308,
2.6064


293.9547,

■ 1.4862, 2.3242,


332.3142, 304.5023


0.8958


349.2821,
393.2974, 363.8877


 0.3164, 0.7865,
0.0000


 0.0000, 0.0000,
0.0000


 59.0970, 70.2191,
56.8933


 59.0970, 70.2191,
56.8933


 52.6611, 67.1604,
44.9798


 66.4310, 73.7006,
70.8530


 47.0823, 64.4992,
35.0120

 74.6905, 77.6110,
86.9438

 42.3250, 62.2217,
26.8878

 83.9090, 81.9676,
105.2517

 38.3487, 60.3092,
20.4938

 86.7605, 83.4209,
106.1368

■ 35.1091, 58.7418,
15.7045

■ 32.5575, 57.4974,
12.3771

■ 30.6380, 56.5508,
10.3435

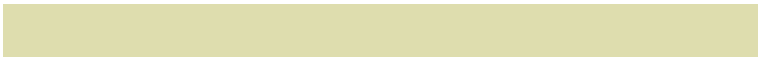
■ 29.2796, 55.8708,
9.3672

■ 29.0658, 55.7633,
9.2315

Harmonies

Analogous

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



63.6567, 70.2191, 50.1875



59.0970, 70.2191, 56.8933



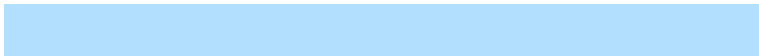
56.6502, 70.2191, 69.4397

Triad

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



59.0970, 70.2191, 56.8933



64.2438, 70.2191, 111.1825



77.7851, 70.2191, 67.8297

Complementary

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



59.0970, 70.2191, 56.8933



60.0421, 55.4175, 80.2088

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.



77.9645, 70.2191, 83.9311



59.0970, 70.2191, 56.8933



69.9237, 70.2191, 110.5885

Square

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



59.0970, 70.2191, 56.8933



59.5057, 70.2191, 101.5808



75.0176, 70.2191, 100.0578



74.5405, 70.2191, 55.8596

Rectangle

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



59.0970, 70.2191, 56.8933



56.4506, 70.2191, 80.1368



75.0176, 70.2191, 100.0578



78.2120, 70.2191, 72.8909

Sweetspot

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



59.0989, 70.2221, 56.8948



89.6063, 97.4230, 98.2832



65.2928, 69.3761, 56.4051



19.0210, 20.7775, 20.7296



0.0000, 0.0000, 0.0000



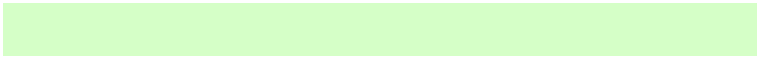
20.3446, 21.4041, 23.3091

Same Dimension

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



59.0989, 70.2221, 56.8948



73.3764, 89.7224, 67.4228



57.7132, 69.3773, 62.7248



14.5169, 16.2580, 15.2774



17.0387, 32.5653, 5.3877



1.3416, 2.4490, 0.4020

Inverse Universe

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



60.0421, 55.4175, 80.2088



74.8351, 66.7778, 103.5529



61.7319, 56.4473, 73.1200



14.6337, 14.4289, 18.1581



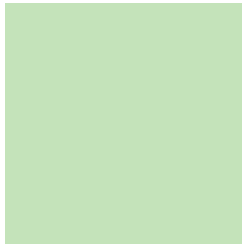
18.0730, 8.3829, 43.0487



1.4178, 0.6619, 3.1850

Previews

White Background



This preview shows how the XYZ color 59.0970, 70.2191, 56.8933 looks on a white background.

Color Contrast Check

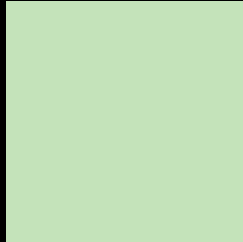
Large Text (above 18pt) WCAG AA × Fail

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 59.0970, 70.2191, 56.8933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

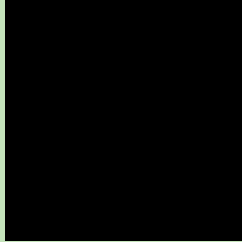
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.0970, 70.2191, 56.8933

Background



This preview shows how black text looks on a background with the XYZ color 59.0970, 70.2191, 56.8933.

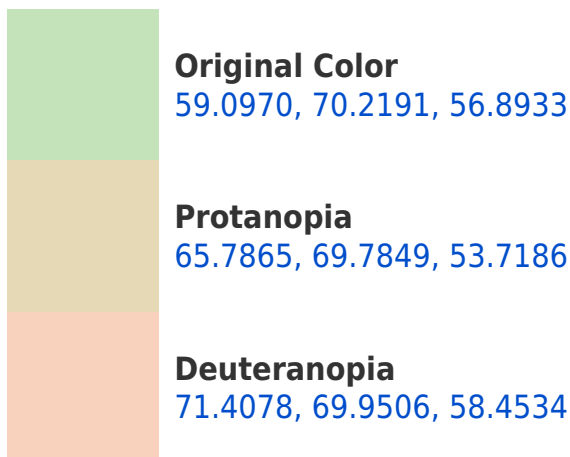


This preview shows how white text looks on a background with the XYZ color 59.0970, 70.2191,

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

65.7811, 70.1382, 90.1918

Trichromacy



Original Color

59.0970, 70.2191, 56.8933

Protanomaly

63.3171, 70.0372, 54.9811

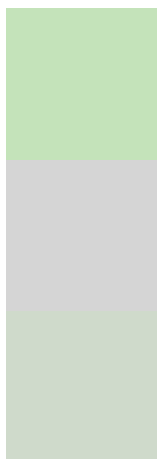
Deuteranomaly

66.3743, 69.6089, 58.0817

Tritanomaly

63.1300, 70.2548, 76.5629

Monochromacy



Original Color

59.0970, 70.2191, 56.8933

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.5830, 67.7200, 66.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0970, 70.2191, 56.8933 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(196, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 186)  
}
```

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(196, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 186) }
```

Border

The CSS property to change the border of an element to XYZ 59.0970, 70.2191, 56.8933 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(196, 227, 186) }
```


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

```
.border{ border-color:rgb(196, 227, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 227, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 227, 186); box-shadow:4px 4px 4px 4px rgb(196, 227, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0970, 70.2191, 56.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 186) }
```

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

```
.background{ background-color: rgb(196,  
227, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor