

Converting Colors

XYZ(58.9952, 70.2326, 52.5379)

Have a look what the booklet for
XYZ(58.9952, 70.2326, 52.5379)
contains.

XYZ(59.0582, 70.2946, 52.5750)	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(59.0582, 70.2946,
52.5750)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E3B2
RGB	199, 227, 178
RGB Percent	78%, 89%, 70%
CMY	0.2196, 0.1098, 0.3020
CMYK	0.12, 0.00, 0.22, 0.11
HSL	94°, 47%, 79%
HSV	94°, 22%, 89%
XYZ	59.0582, 70.2946, 52.5750
YIQ	213.0420, -0.9590, -21.1750

Conversions

Conversions Part 2

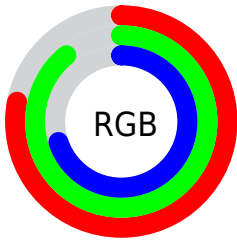
Format	Color
RYB	178, 227, 206
Decimal	13099954
CIELab	87.14, -17.91, 20.92
CIELCh	87, 27.544, 130.564
Yxy	70.2946, 0.3246, 0.3864
Android (android.graphics.Color)	4291290034 (0xFFC7E3B2)
YUV	213.0420, -17.2757, -12.3148
Hunter-Lab	83.8419, -20.9879, 21.5101

Details

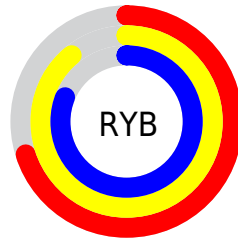
The XYZ color **59.0582, 70.2946, 52.5750** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.2418, 50.5106, 79.5147**, and the grayscale version is **63.3879, 66.6890, 72.6244**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **30.1312, 37.0055, 24.9567** is the 20% darker color. If you saturate the color by 10%, you get **53.6688, 67.7603, 41.3937**, and if you desaturate by 10%, it is **65.1220, 73.1372, 65.7596**.

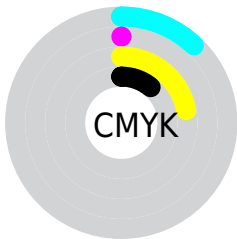
Distribution



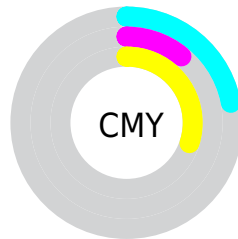
- Red (78%)
- Green (89%)
- Blue (70%)



- Red (70%)
- Yellow (89%)
- Blue (81%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)




- Cyan (22%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0582, 70.2946, 52.5750 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 59.0582, 70.2946, 52.5750 by changing the saturation by 10% instead.


 59.0582, 70.2946,
52.5750

 59.0582, 70.2946,
52.5750


411.0081,
461.5837, 413.6724

 42.9065, 51.7667,
37.0782


 102.5764,
119.6288, 95.4139

 30.0060, 36.8192,
24.9718


130.6736,
151.2039, 123.5931

 19.9912, 25.0675,
15.8372


163.4834,
187.8969, 156.8368

 12.4969, 16.1274,
9.2559

201.3711,
230.0921, 195.5636

 7.1576, 9.6143,
4.8094

244.7021,
278.1740, 240.1920

 3.6081, 5.1440,
2.0791


293.8417,

 1.4829, 2.3320,


332.5270, 291.1406


0.6033


349.1552,
393.5354, 348.8279


 0.3142, 0.7906,
0.0000


 0.0000, 0.0000,
0.0000


 59.0582, 70.2946,
52.5750

 59.0582, 70.2946,
52.5750


 53.6688, 67.7603,
41.3937


 65.1220, 73.1372,
65.7596

 48.9225, 65.5140,
32.1130

 71.8788, 76.2894,
81.0341

 44.7933, 63.5467,
24.6283

 79.3537, 79.7643,
98.4857

 41.2514, 61.8456,
18.8229

 85.2652, 82.6501,
106.0668

■ 38.2636, 60.3965,
14.5663

■ 86.7605, 83.4209,
106.1368

■ 35.7931, 59.1835,
11.7087

■ 33.7966, 58.1885,
10.0708

■ 32.4299, 57.4976,
9.3889

Harmonies

Analogous

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



64.5619, 70.2946, 46.6296



59.0582, 70.2946, 52.5750



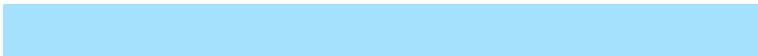
55.7730, 70.2946, 65.3039

Triad

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



59.0582, 70.2946, 52.5750



62.7653, 70.2946, 115.2150



79.7795, 70.2946, 70.2018

Complementary

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



59.0582, 70.2946, 52.5750



55.2418, 50.5106, 79.5147

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.



79.2212, 70.2946, 88.9938



59.0582, 70.2946, 52.5750



69.1156, 70.2946, 117.0954

Square

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



59.0582, 70.2946, 52.5750



57.8159, 70.2946, 102.0749



75.2184, 70.2946, 106.8611



76.6979, 70.2946, 55.6620

Rectangle

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



59.0582, 70.2946, 52.5750



55.1485, 70.2946, 76.8896



75.2184, 70.2946, 106.8611



80.0160, 70.2946, 76.1892

Sweetspot

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



59.0601, 70.2976, 52.5765



89.5397, 97.4327, 96.2918



61.7323, 63.5783, 51.1387



19.0412, 20.7968, 20.3298



0.0000, 0.0000, 0.0000



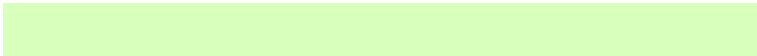
20.3446, 21.4041, 23.3091

Same Dimension

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



59.0601, 70.2976, 52.5765



73.5612, 89.9499, 61.4585



54.1991, 67.7534, 54.0820



14.7720, 16.3896, 15.2894



19.0398, 33.5969, 5.4813



1.5115, 2.5366, 0.4099

Inverse Universe

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



55.2418, 50.5106, 79.5147



67.7321, 59.7503, 102.5708



61.0200, 53.5409, 77.4533



14.3674, 14.2916, 18.1456



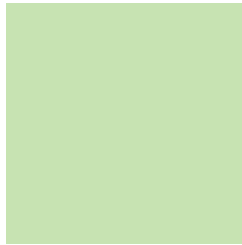
13.5665, 6.0597, 42.8378



1.1083, 0.5023, 3.1705

Previews

White Background



This preview shows how the XYZ color 59.0582, 70.2946, 52.5750 looks on a white background.

Color Contrast Check

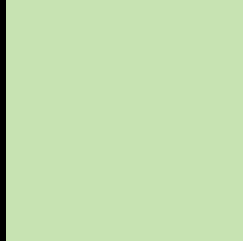
Large Text (above 18pt) WCAG AA × Fail

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 59.0582, 70.2946, 52.5750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

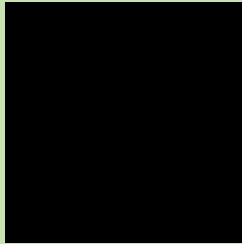
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

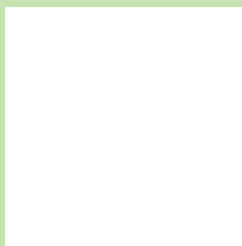
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.0582, 70.2946, 52.5750

Background



This preview shows how black text looks on a background with the XYZ color 59.0582, 70.2946, 52.5750.



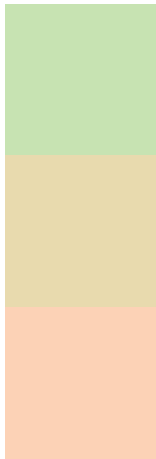
This preview shows how white text looks on a background with the XYZ color 59.0582, 70.2946,

52.5750.

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

59.0582, 70.2946, 52.5750

Protanopia

65.9901, 70.3546, 50.1461

Deuteranopia

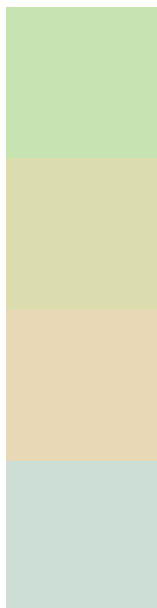
71.6350, 70.1660, 54.0238



Tritanopia

66.4843, 70.1291, 89.3890

Trichromacy



Original Color

59.0582, 70.2946, 52.5750

Protanomaly

63.1095, 70.0237, 50.7471

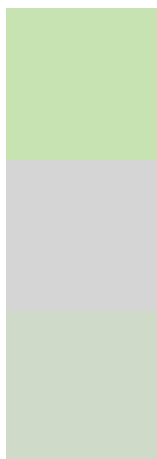
Deuteranomaly

66.5006, 69.7716, 53.6784

Tritanomaly

63.5639, 70.1280, 74.4759

Monochromacy



Original Color

59.0582, 70.2946, 52.5750

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.5092, 67.7228, 64.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0582, 70.2946, 52.5750 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(199, 227, 178)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 178)  
}
```

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(199, 227, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 178) }
```

Border

The CSS property to change the border of an element to XYZ 59.0582, 70.2946, 52.5750 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(199, 227, 178) }
```


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

```
.border{ border-color:rgb(199, 227, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 227, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 227, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 227, 178); box-shadow:4px 4px 4px 4px rgb(199, 227, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0582, 70.2946, 52.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 178) }
```

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

```
.background{ background-color: rgb(199,  
227, 178) }
```

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