

# Converting Colors

XYZ(59.6662, 70.4578, 55.8985)

Have a look what the booklet for  
XYZ(59.6662, 70.4578, 55.8985)  
contains.

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# Color

**XYZ(59.6740, 70.5410,  
55.8180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E3B8
RGB	199, 227, 184
RGB Percent	78%, 89%, 72%
CMY	0.2196, 0.1098, 0.2784
CMYK	0.12, 0.00, 0.19, 0.11
HSL	99°, 43%, 81%
HSV	99°, 19%, 89%
XYZ	59.6740, 70.5410, 55.8180
YIQ	213.7260, -2.8850, -19.3090

# Conversions

## Conversions Part 2

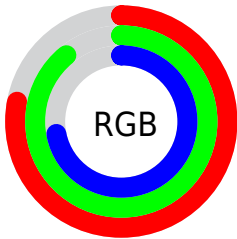
Format	Color
<a href="#">RYB</a>	<a href="#">184, 227, 212</a>
Decimal	<a href="#">13099960</a>
CIELab	<a href="#">87.26, -16.95, 17.97</a>
CIElCh	<a href="#">87, 24.705, 133.332</a>
Yxy	<a href="#">70.5410, 0.3208, 0.3792</a>
Android (android.graphics.Color)	<a href="#">4291290040 (0xFFC7E3B8)</a>
YUV	<a href="#">213.7260, -14.6549, -12.9147</a>
Hunter-Lab	<a href="#">83.9887, -20.1559, 19.3886</a>

# Details

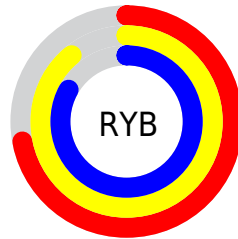
The XYZ color **59.6740, 70.5410, 55.8180** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.1599, 53.8261, 80.0009**, and the grayscale version is **63.8307, 67.1549, 73.1317**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **30.5263, 37.1635, 27.0371** is the 20% darker color. If you saturate the color by 10%, you get **53.7496, 67.7422, 44.1004**, and if you desaturate by 10%, it is **66.3651, 73.6951, 69.5677**.

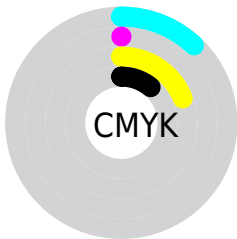
# Distribution



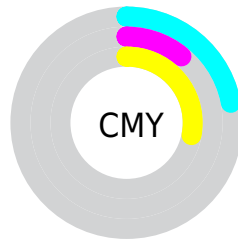
- Red (78%)
- Green (89%)
- Blue (72%)



- Red (72%)
- Yellow (89%)
- Blue (83%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (11%)




- Cyan (22%)
- Magenta (11%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6740, 70.5410, 55.8180 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 59.6740, 70.5410, 55.8180 by changing the saturation by 10% instead.





 59.6740, 70.5410,  
55.8180

 59.6740, 70.5410,  
55.8180

413.2491,  
462.4473, 426.3743

 43.4044, 51.9677,  
39.6540


 103.4657,  
119.9799, 100.2216

 30.3984, 36.9793,  
26.9571


131.7184,  
151.6144, 129.2982

 20.2908, 25.1915,  
17.3089


164.6962,  
188.3713, 163.5162

 12.7161, 16.2198,  
10.2907

202.7645,  
230.6351, 203.2939

 7.3090, 9.6798,  
5.4840

246.2886,  
278.7902, 249.0501

 3.7041, 5.1872,  
2.4703


295.6338,

 1.5361, 2.3575,


333.2210, 301.2032


0.8243


351.1655,  
394.3119, 360.1717


 0.3502, 0.8039,  
0.0000


 0.0000, 0.0000,  
0.0000

 59.6740, 70.5410,  
55.8180


 59.6740, 70.5410,  
55.8180


 53.7496, 67.7422,  
44.1004


 66.3651, 73.6951,  
69.5677

 48.5573, 65.2767,  
34.3139

 73.8447, 77.2075,  
85.4346

 44.0680, 63.1339,  
26.3560

 82.1405, 81.0928,  
103.5046

 40.2484, 61.2990,  
20.1130

 86.7605, 83.4210,  
106.1368

■ 37.0619, 59.7561,  
15.4580

■ 34.4682, 58.4873,  
12.2471

■ 32.4207, 57.4725,  
10.3098

■ 30.8546, 56.6841,  
9.3838

■ 30.7097, 56.6109,  
9.3084

# Harmonies

## Analogous

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



64.5056, 70.5410, 49.7067



59.6740, 70.5410, 55.8180



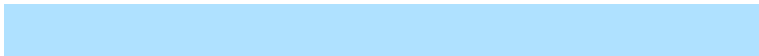
56.9105, 70.5410, 67.9961

# Triad

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



59.6740, 70.5410, 55.8180



63.8955, 70.5410, 111.6898



78.5079, 70.5410, 69.6678

# Complementary

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



59.6740, 70.5410, 55.8180



58.1599, 53.8261, 80.0009

# 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.



78.3211, 70.5410, 86.3482



59.6740, 70.5410, 55.8180



69.6545, 70.5410, 112.3094

# Square

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



59.6740, 70.5410, 55.8180



59.2496, 70.5410, 100.9039



75.0038, 70.5410, 102.4914



75.5003, 70.5410, 56.8890



# Rectangle

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



59.6740, 70.5410, 55.8180



56.5078, 70.5410, 78.6803



75.0038, 70.5410, 102.4914



78.8216, 70.5410, 74.9640

# Sweetspot

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



59.6759, 70.5440, 55.8195



89.1125, 97.2125, 96.2718



63.8641, 66.8565, 54.8870



18.9403, 20.7448, 20.3251



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

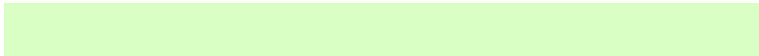


# Same Dimension

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



59.6759, 70.5440, 55.8195



74.3215, 90.2435, 65.9353



56.5819, 68.8691, 59.2857



14.6611, 16.3323, 15.2842



18.0229, 33.0726, 5.4338



1.4293, 2.4942, 0.4061



# Inverse Universe

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



58.1599, 53.8261, 80.0009



71.9794, 64.4425, 103.2527



61.8130, 55.8103, 75.6105



14.4816, 14.3505, 18.1510



15.3208, 6.9640, 42.9199

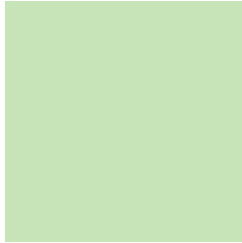


1.2315, 0.5659, 3.1763



# Previews

## White Background



This preview shows how the XYZ color 59.6740, 70.5410, 55.8180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

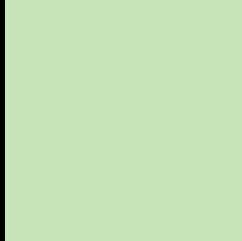
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6740, 70.5410, 55.8180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

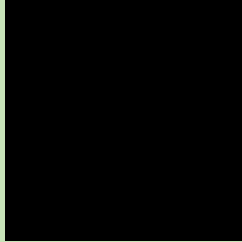
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.6740, 70.5410, 55.8180

## Background



This preview shows how black text looks on a background with the XYZ color 59.6740, 70.5410, 55.8180.



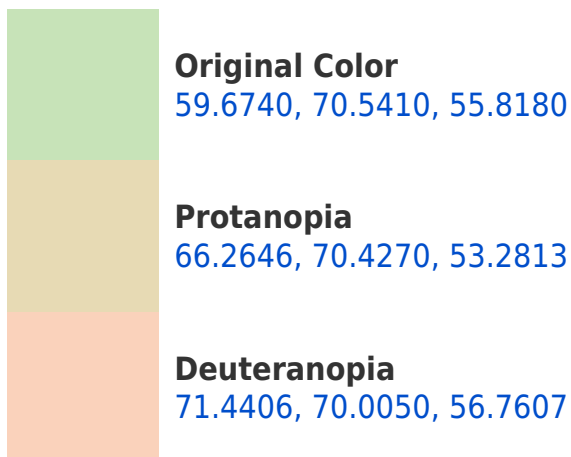
This preview shows how white text looks on a background with the XYZ color 59.6740, 70.5410,



# 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

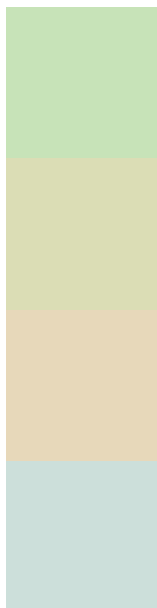




## Tritanopia

66.6114, 70.5662, 90.2306

# Trichromacy



## Original Color

59.6740, 70.5410, 55.8180

## Protanomaly

63.4104, 70.1092, 53.9064

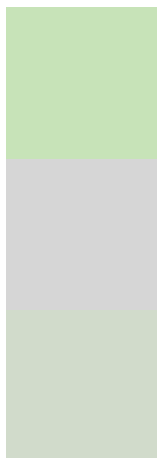
## Deuteranomaly

66.3738, 69.6458, 56.3991

## Tritanomaly

63.9444, 70.6747, 76.6010

# Monochromacy



## Original Color

59.6740, 70.5410, 55.8180

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.4055, 68.5301, 66.4384

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6740, 70.5410, 55.8180 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6740, 70.5410, 55.8180 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, 184) }
```



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

```
.border{ border-color:rgb(199, 227, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 227, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 227, 184);  
box-shadow:4px 4px 4px 4px rgb(199, 227,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6740, 70.5410, 55.8180 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, 184) }
```

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

```
.background{ background-color: rgb(199,  
227, 184) }
```

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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