

# Converting Colors

XYZ(59.3202, 69.2970, 53.8791)

Have a look what the booklet for  
XYZ(59.3202, 69.2970, 53.8791)  
contains.

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# Color

**XYZ(59.3533, 69.2041,  
53.9455)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | CAE0B5                     |
| RGB           | 202, 224, 181              |
| RGB Percent   | 79%, 88%, 71%              |
| CMY           | 0.2078, 0.1215, 0.2902     |
| CMYK          | 0.10, 0.00, 0.19, 0.12     |
| HSL           | 91°, 41%, 79%              |
| HSV           | 91°, 19%, 88%              |
| XYZ           | 59.3533, 69.2041, 53.9455  |
| YIQ           | 212.5200, 0.6910, -18.0370 |

# Conversions

## Conversions Part 2

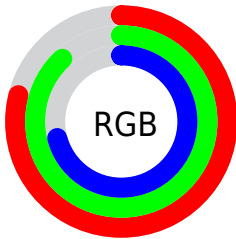
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">181, 224, 203</a>                                |
| Decimal                             | <a href="#">13295797</a>                                     |
| CIELab                              | <a href="#">86.61, -14.89, 18.65</a>                         |
| CIELCh                              | <a href="#">87, 23.865, 128.609</a>                          |
| Yxy                                 | <a href="#">69.2041, 0.3252, 0.3792</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4291485877</a><br>( <a href="#">0xFFCAE0B5</a> ) |
| YUV                                 | <a href="#">212.5200, -15.5394, -9.2260</a>                  |
| Hunter-Lab                          | <a href="#">83.1890, -18.2254, 19.7846</a>                   |

# Details

The XYZ color **59.3533, 69.2041, 53.9455** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.6098, 51.1280, 77.5152**, and the grayscale version is **63.0271, 66.3094, 72.2109**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **30.2970, 36.2303, 25.8184** is the 20% darker color. If you saturate the color by 10%, you get **54.2506, 66.8202, 42.6581**, and if you desaturate by 10%, it is **65.0597, 71.8606, 67.1931**.

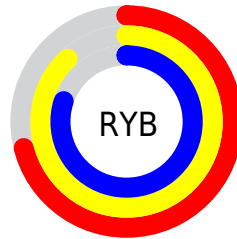
# Distribution



Red (79%)

Green (88%)

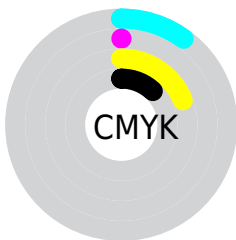
Blue (71%)



Red (71%)

Yellow (88%)

Blue (80%)

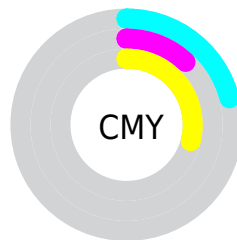


Cyan (10%)

Magenta (0%)

Yellow (19%)

Black (12%)



Cyan (21%)

Magenta (12%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3533, 69.2041, 53.9455 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 59.3533, 69.2041, 53.9455 by changing the saturation by 10% instead.





 59.3533, 69.2041,  
53.9455

 59.3533, 69.2041,  
53.9455


412.0830,  
457.7505, 419.0709

 43.1451, 50.8779,  
38.1652


 103.0027,  
118.0730, 97.4498

 30.1940, 36.1115,  
25.8081


131.1745,  
149.3846, 126.0109

 20.1347, 24.5203,  
16.4557


164.0649,  
185.7935, 159.6694

 12.6018, 15.7200,  
9.6893

202.0392,  
227.6840, 198.8437

 7.2300, 9.3263,  
5.0906

245.4629,  
275.4405, 243.9525

 3.6540, 4.9546,  
2.2408


294.7011,

 1.5083, 2.2206,


329.4475, 295.4143


0.6978


350.1194,  
390.0894, 353.6476


 0.3315, 0.7312,  
0.0000


 0.0000, 0.0000,  
0.0000


 59.3533, 69.2041,  
53.9455


 59.3533, 69.2041,  
53.9455


 54.2506, 66.8202,  
42.6581


 65.0597, 71.8606,  
67.1931


 49.7235, 64.6903,  
33.2332

 71.3855, 74.7898,  
82.4832

 45.7495, 62.8071,  
25.5718

 78.3527, 78.0033,  
99.8990

 42.3026, 61.1596,  
19.5636

 83.3650, 80.4630,  
105.7449

■ 39.3539, 59.7355,  
15.0860

■ 85.9471, 81.7941,  
105.8657

■ 36.8711, 58.5213,  
11.9995

■ 34.8170, 57.5015,  
10.1388

■ 33.1353, 56.6527,  
9.2403

■ 33.0112, 56.5898,  
9.1831

# Harmonies

## Analogous

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



64.1954, 69.2041, 49.0428



59.3533, 69.2041, 53.9455



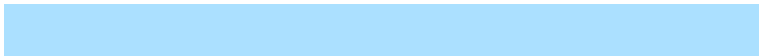
56.3517, 69.2041, 64.7671

# Triad

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



59.3533, 69.2041, 53.9455



61.9686, 69.2041, 107.4618



76.8762, 69.2041, 70.8784

# Complementary

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



59.3533, 69.2041, 53.9455



54.6098, 51.1280, 77.5152

# 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.



76.1974, 69.2041, 87.0305



59.3533, 69.2041, 53.9455



67.3832, 69.2041, 109.7036

# Square

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



59.3533, 69.2041, 53.9455



57.8017, 69.2041, 96.0271



72.6470, 69.2041, 101.7816



74.4529, 69.2041, 57.8795



# Rectangle

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



59.3533, 69.2041, 53.9455



55.6954, 69.2041, 74.6134



72.6470, 69.2041, 101.7816



77.0059, 69.2041, 76.0944

# Sweetspot

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



59.3551, 69.2071, 53.9470



89.8618, 97.5988, 96.3068



60.3217, 61.6622, 52.4397



19.1172, 20.8360, 20.3334



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

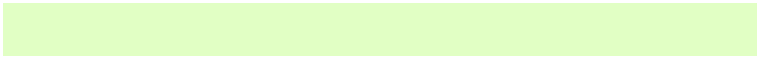


# Same Dimension

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



59.3551, 69.2071, 53.9470



76.8118, 91.5274, 66.0518



54.0542, 66.4744, 53.6989



14.1628, 15.6641, 14.5838



19.3458, 33.0056, 5.3511



1.4441, 2.3409, 0.3757



# Inverse Universe

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



54.6098, 51.1280, 77.5152



69.3461, 63.0850, 103.1294



60.7216, 54.2787, 77.8012



13.6174, 13.5863, 17.2924



12.0510, 5.3078, 41.4377



0.9386, 0.4212, 2.8771



# Previews

## White Background



This preview shows how the XYZ color 59.3533, 69.2041, 53.9455 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 59.3533, 69.2041, 53.9455 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 59.3533, 69.2041, 53.9455

## Background



This preview shows how black text looks on a background with the XYZ color 59.3533, 69.2041, 53.9455.



This preview shows how white text looks on a background with the XYZ color 59.3533, 69.2041,



# 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



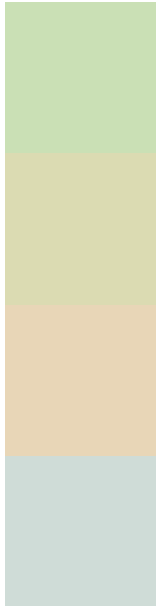
|                           |
|---------------------------|
| <b>Original Color</b>     |
| 59.3533, 69.2041, 53.9455 |
| <b>Protanopia</b>         |
| 64.8048, 68.9441, 51.4869 |
| <b>Deuteranopia</b>       |
| 70.2745, 68.7122, 54.9063 |



## Tritanopia

66.2425, 69.2679, 87.7206

# Trichromacy



## Original Color

59.3533, 69.2041, 53.9455

## Protanomaly

62.5808, 68.9375, 52.1274

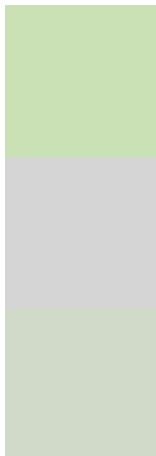
## Deuteranomaly

65.8725, 68.6678, 54.5821

## Tritanomaly

63.5911, 69.3581, 74.3258

# Monochromacy



## Original Color

59.3533, 69.2041, 53.9455

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

61.6500, 67.3981, 65.0182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3533, 69.2041, 53.9455 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(202, 224, 181)` looks like.

```
.text, #text, p{  
    color:rgb(202, 224, 181)  
}
```

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(202, 224, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 224, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3533, 69.2041, 53.9455 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(202, 224, 181) }
```



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

```
.border{ border-color:rgb(202, 224, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 224, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 224, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 224, 181);  
box-shadow:4px 4px 4px 4px rgb(202, 224,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3533, 69.2041, 53.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 224, 181) }
```

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

```
.background{ background-color: rgb(202,  
224, 181) }
```

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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