

# Converting Colors

XYZ(55.6102, 69.4102, 34.6058)

Have a look what the booklet for  
XYZ(55.6102, 69.4102, 34.6058)  
contains.

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# Color

**XYZ(55.6196, 69.3275,  
34.4949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E48A
RGB	198, 228, 138
RGB Percent	78%, 89%, 54%
CMY	0.2235, 0.1059, 0.4588
CMYK	0.13, 0.00, 0.39, 0.11
HSL	80°, 63%, 72%
HSV	80°, 39%, 89%
XYZ	55.6196, 69.3275, 34.4949
YIQ	208.7700, 11.0100, -34.3500

# Conversions

## Conversions Part 2

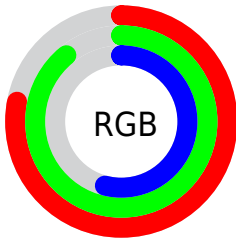
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 228, 168
Decimal	13034634
CIELab	86.67, -24.31, 40.67
CIELCh	87, 47.381, 120.870
Yxy	69.3275, 0.3488, 0.4348
Android (android.graphics.Color)	4291224714 (0xFFC6E48A)
YUV	208.7700, -34.8896, -9.4453
Hunter-Lab	83.2631, -26.4729, 33.7211

# Details

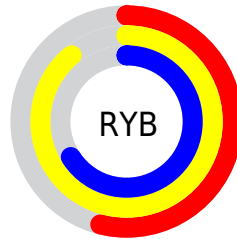
The XYZ color **55.6196, 69.3275, 34.4949** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.2432, 32.1051, 77.5311**, and the grayscale version is **60.6711, 63.8307, 69.5117**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **27.9510, 36.3987, 14.3566** is the 20% darker color. If you saturate the color by 10%, you get **52.1861, 67.7308, 26.6036**, and if you desaturate by 10%, it is **59.5037, 71.1208, 44.2188**.

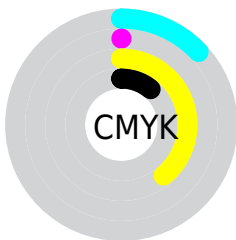
# Distribution



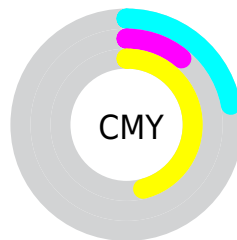
- Red (78%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (66%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)




- Cyan (22%)
- Magenta (11%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6196, 69.3275, 34.4949 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 55.6196, 69.3275, 34.4949 by changing the saturation by 10% instead.





 55.6196, 69.3275,  
34.4949

 55.6196, 69.3275,  
34.4949


398.3547,  
458.1852, 337.1695


 40.1338, 50.9785,  
22.9936


 97.5912, 118.2492,  
67.8452

 27.8276, 36.1915,  
14.3835


 124.8078,  
149.5907, 90.5313

 18.3355, 24.5821,  
8.2461


 156.6653,  
186.0318, 117.7828

 11.2923, 15.7660,  
4.1628

193.5291,  
227.9569, 150.0182

 6.3325, 9.3587,  
1.7151

235.7646,  
275.7504, 187.6560

 3.0909, 4.9759,  
0.3710

283.7371,

 1.2020, 2.2331,

329.7967, 231.1148

0.0000

337.8120,  
390.4801, 280.8131

■ 0.1080, 0.7380,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.6196, 69.3275,  
34.4949

■ 55.6196, 69.3275,  
34.4949

■ 52.1861, 67.7308,  
26.6036

■ 59.5037, 71.1208,  
44.2188

■ 49.1747, 66.3120,  
20.4252

■ 63.8545, 73.1103,  
55.8761

■ 46.5612, 65.0636,  
15.8331

■ 68.6938, 75.3070,  
69.5655

■ 44.3165, 63.9738,  
12.6808

■ 74.0399, 77.7186,  
85.3776

■ 42.4059, 63.0287,  
10.7949

■ 79.9105, 80.3522,  
103.3977

■ 40.7741, 62.2057,  
9.8923

■ 82.9670, 81.8726,  
106.0379

■ 40.6925, 62.1645,  
9.8542

■ 85.6537, 83.2577,  
106.1636

■ 87.0348, 83.9697,  
106.2283

# Harmonies

## Analogous

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



65.5730, 69.3275, 29.6508



55.6196, 69.3275, 34.4949



49.0805, 69.3275, 49.6558

# Triad

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



55.6196, 69.3275, 34.4949



56.1181, 69.3275, 141.7807



89.4033, 69.3275, 74.5695

# Complementary

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



55.6196, 69.3275, 34.4949



39.2432, 32.1051, 77.5311

# Split Complementary

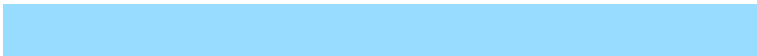
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1652, 69.3275, 109.0058



55.6196, 69.3275, 34.4949



66.2155, 69.3275, 153.7643

# Square

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



55.6196, 69.3275, 34.4949



49.3450, 69.3275, 111.0545



77.3610, 69.3275, 140.3847



85.7816, 69.3275, 48.4602



# Rectangle

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



55.6196, 69.3275, 34.4949



47.1276, 69.3275, 66.2700



77.3610, 69.3275, 140.3847



89.0781, 69.3275, 85.5189

# Sweetspot

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



55.6213, 69.3306, 34.4964



86.8549, 96.2998, 84.8158



50.5875, 46.3365, 30.3234



18.4119, 20.5311, 17.6446



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.



55.6213, 69.3306, 34.4964



68.1813, 87.7274, 36.3166



45.4699, 64.0973, 34.0213



15.1103, 16.5639, 15.3052



23.6268, 35.9615, 5.6960



1.8434, 2.7077, 0.4255



# Inverse Universe

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



39.2432, 32.1051, 77.5311



44.4377, 33.7160, 98.7735



50.5352, 37.9263, 78.0596



14.0333, 14.1194, 18.1300



9.9201, 4.1799, 42.6671

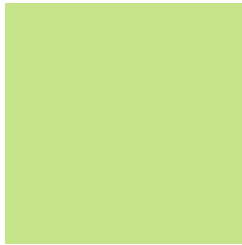


0.8287, 0.3582, 3.1574



# Previews

## White Background



This preview shows how the XYZ color 55.6196, 69.3275, 34.4949 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 55.6196, 69.3275, 34.4949 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 55.6196, 69.3275, 34.4949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6196, 69.3275, 34.4949.



This preview shows how white text looks on a background with the XYZ color 55.6196, 69.3275,



# 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

55.6196, 69.3275, 34.4949

### Protanopia

63.7080, 69.1798, 32.5495

### Deuteranopia

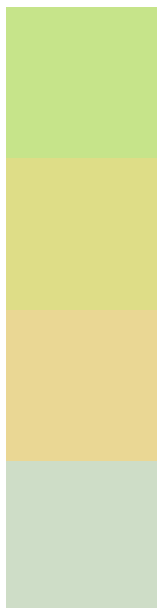
69.6286, 68.7048, 40.1634



## Tritanopia

66.5281, 69.4151, 87.7340

# Trichromacy



## Original Color

55.6196, 69.3275, 34.4949

## Protanomaly

60.3538, 68.9918, 33.0574

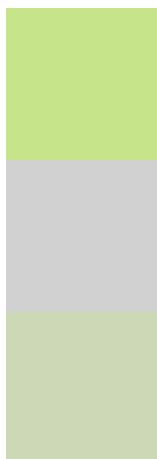
## Deuteranomaly

63.5774, 68.2314, 37.8361

## Tritanomaly

61.6189, 68.9582, 64.0954

# Monochromacy



## Original Color

55.6196, 69.3275, 34.4949

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.2799, 65.5098, 54.3727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6196, 69.3275, 34.4949 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(198, 228, 138)` looks like.

```
.text, #text, p{  
    color:rgb(198, 228, 138)  
}
```

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(198, 228, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 228, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6196, 69.3275, 34.4949 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(198, 228, 138) }
```



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

```
.border{ border-color:rgb(198, 228, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 228, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 228, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 228, 138); box-shadow:4px 4px 4px 4px rgb(198, 228, 138) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6196, 69.3275, 34.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 228, 138) }
```

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

```
.background{ background-color: rgb(198,  
228, 138) }
```

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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