

# Converting Colors

XYZ(55.7938, 69.1939, 33.8650)

Have a look what the booklet for  
XYZ(55.7938, 69.1939, 33.8650)  
contains.

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# Color

**XYZ(55.7324, 68.9951,  
33.6725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E388
RGB	200, 227, 136
RGB Percent	78%, 89%, 53%
CMY	0.2157, 0.1098, 0.4667
CMYK	0.12, 0.00, 0.40, 0.11
HSL	78°, 62%, 71%
HSV	78°, 40%, 89%
XYZ	55.7324, 68.9951, 33.6725
YIQ	208.5530, 13.1190, -34.0250

# Conversions

## Conversions Part 2

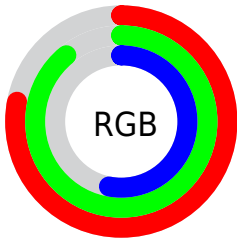
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 227, 163
Decimal	13165448
CIELab	86.50, -23.32, 41.48
CIElCh	87, 47.584, 119.346
Yxy	68.9951, 0.3518, 0.4356
Android (android.graphics.Color)	4291355528 (0xFFC8E388)
YUV	208.5530, -35.7686, -7.5010
Hunter-Lab	83.0633, -25.5938, 34.1091

# Details

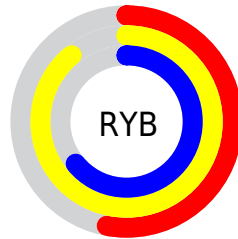
The XYZ color **55.7324, 68.9951, 33.6725** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.7763, 30.9428, 76.6585**, and the grayscale version is **60.5342, 63.6866, 69.3548**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **28.0298, 36.1649, 13.8907** is the 20% darker color. If you saturate the color by 10%, you get **52.5278, 67.5124, 25.9747**, and if you desaturate by 10%, it is **59.3614, 70.6615, 43.1763**.

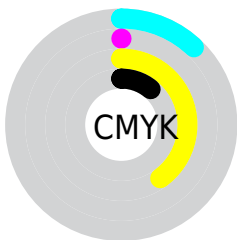
# Distribution



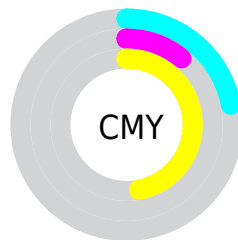
- Red (78%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (64%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (22%)
- Magenta (11%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7324, 68.9951, 33.6725 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 55.7324, 68.9951, 33.6725 by changing the saturation by 10% instead.





 55.7324, 68.9951,  
33.6725


 55.7324, 68.9951,  
33.6725


398.7736,  
457.0137, 333.3937


 40.2246, 50.7077,  
22.3668


 97.7553, 117.7746,  
66.5521

 27.8987, 35.9761,  
13.9258


 125.0011,  
149.0355, 88.9631

 18.3894, 24.4157,  
7.9309


 156.8902,  
185.3896, 115.9130

 11.3313, 15.6423,  
3.9636

193.7880,  
227.2215, 147.8202

 6.3590, 9.2714,  
1.6054

236.0599,  
274.9154, 185.1033

 3.1073, 4.9186,  
0.2947

284.0713,

 1.2108, 2.1996,

328.8559, 228.1809

0.0000

338.1874,  
389.4271, 277.4716

0.1148, 0.7198,  
0.0000

0.0000, 0.0000,  
0.0000

55.7324, 68.9951,  
33.6725

55.7324, 68.9951,  
33.6725

52.5278, 67.5124,  
25.9747

59.3614, 70.6615,  
43.1763

49.7197, 66.1949,  
19.9640


63.4305, 72.5109,  
54.5864


47.2846, 65.0355,  
15.5139


67.9608, 74.5541,  
68.0007


45.1936, 64.0226,  
12.4785


72.9702, 76.7985,  
83.5095


 43.4128, 63.1424,  
10.6842


 78.4759, 79.2510,  
101.1971

 41.8961, 62.3778,  
9.8320

 81.5981, 80.7598,  
105.8953

 83.9332, 81.9636,  
106.0045

 86.3540, 83.2116,  
106.1178

 86.7606, 83.4212,  
106.1369

# Harmonies

## Analogous

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



65.8201, 68.9951, 29.3169



55.7324, 68.9951, 33.6725



48.9871, 68.9951, 48.2380

# Triad

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



55.7324, 68.9951, 33.6725



55.3572, 68.9951, 140.3501



89.1281, 68.9951, 75.8191

# Complementary

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



55.7324, 68.9951, 33.6725



37.7763, 30.9428, 76.6585

# 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.



85.5459, 68.9951, 110.5043



55.7324, 68.9951, 33.6725



65.3361, 68.9951, 153.6034

# Square

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



55.7324, 68.9951, 33.6725



48.7882, 68.9951, 108.9590



76.5193, 68.9951, 141.4039



85.8352, 68.9951, 49.1370



# Rectangle

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



55.7324, 68.9951, 33.6725



46.8811, 68.9951, 64.4542



76.5193, 68.9951, 141.4039



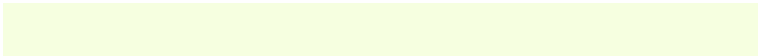
88.6823, 68.9951, 86.9107

# Sweetspot

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



55.7341, 68.9982, 33.6740



87.2466, 96.5018, 84.8341



49.0072, 43.8750, 29.1793



18.5044, 20.5788, 17.6490



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

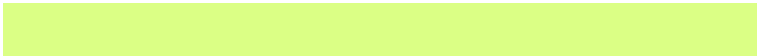


# Same Dimension

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



55.7341, 68.9982, 33.6740



69.0825, 88.2125, 35.4314



45.5708, 63.7588, 33.1983



15.1633, 16.5912, 15.3077



24.5550, 36.4401, 5.7395



1.9067, 2.7403, 0.4284



# Inverse Universe

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



37.7763, 30.9428, 76.6585



42.7285, 32.3122, 98.5926



48.4831, 36.4623, 77.1596



13.9828, 14.0934, 18.1277



9.5528, 3.9906, 42.6499

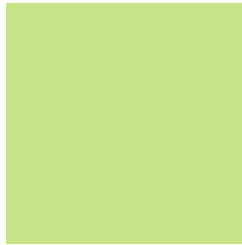


0.7967, 0.3417, 3.1559



# Previews

## White Background



This preview shows how the XYZ color 55.7324, 68.9951, 33.6725 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 55.7324, 68.9951, 33.6725 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

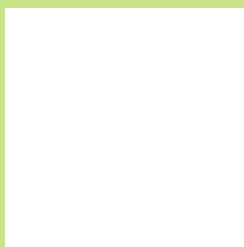
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.7324, 68.9951, 33.6725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.7324, 68.9951, 33.6725.



This preview shows how white text looks on a background with the XYZ color 55.7324, 68.9951,



# 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

55.7324, 68.9951, 33.6725

### Protanopia

63.3128, 68.6105, 31.7360

### Deuteranopia

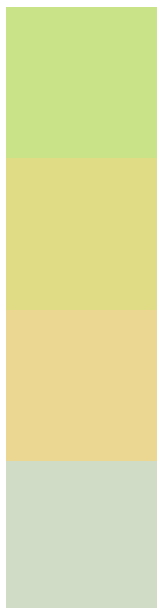
69.4634, 68.6387, 39.2933



## Tritanopia

66.7044, 69.1411, 86.9207

# Trichromacy



## Original Color

55.7324, 68.9951, 33.6725

## Protanomaly

60.2583, 68.5678, 32.2493

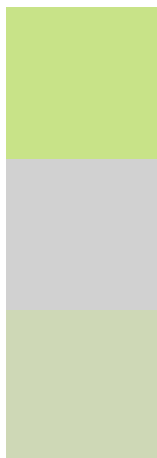
## Deuteranomaly

63.7497, 68.3384, 37.0248

## Tritanomaly

61.7987, 68.6735, 63.4243

# Monochromacy



## Original Color

55.7324, 68.9951, 33.6725

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.4530, 65.6109, 53.8393

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7324, 68.9951, 33.6725 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(200, 227, 136)` looks like.

```
.text, #text, p{  
    color:rgb(200, 227, 136)  
}
```

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(200, 227, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 227, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7324, 68.9951, 33.6725 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(200, 227, 136) }
```



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

```
.border{ border-color:rgb(200, 227, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 227, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 227, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 227, 136);  
box-shadow:4px 4px 4px 4px rgb(200, 227,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7324, 68.9951, 33.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 227, 136) }
```

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

```
.background{ background-color: rgb(200,  
227, 136) }
```

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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