

# Converting Colors

XYZ(51.8639, 68.9511, 39.7823)

Have a look what the booklet for  
XYZ(51.8639, 68.9511, 39.7823)  
contains.

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# Color

**XYZ(51.8981, 68.9463,  
39.8508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE897
RGB	174, 232, 151
RGB Percent	68%, 91%, 59%
CMY	0.3176, 0.0902, 0.4078
CMYK	0.25, 0.00, 0.35, 0.09
HSL	103°, 64%, 75%
HSV	103°, 35%, 91%
XYZ	51.8981, 68.9463, 39.8508
YIQ	205.4240, -8.5670, -37.4870

# Conversions

## Conversions Part 2

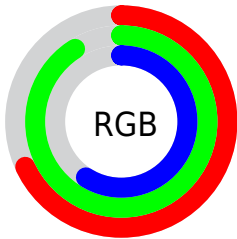
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 232, 209
Decimal	11462807
CIELab	86.48, -33.04, 33.62
CIElCh	86, 47.141, 134.500
Yxy	68.9463, 0.3230, 0.4291
Android (android.graphics.Color)	4289652887 (0xFFAEE897)
YUV	205.4240, -26.8310, -27.5588
Hunter-Lab	83.0339, -33.7427, 29.6684

# Details

The XYZ color **51.8981, 68.9463, 39.8508** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.9296, 41.5168, 81.6242**, and the grayscale version is **58.4695, 61.5145, 66.9893**.

A 20% lighter version of the original color is **79.8556, 92.9652, 72.1278**, and **25.5232, 35.9446, 17.3972** is the 20% darker color. If you saturate the color by 10%, you get **46.7216, 66.4765, 30.7225**, and if you desaturate by 10%, it is **57.9067, 71.8064, 50.9562**.

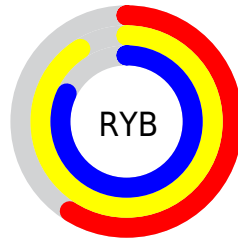
# Distribution



Red (68%)

Green (91%)

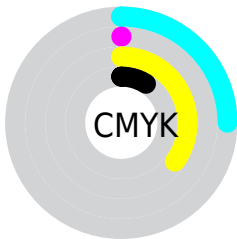
Blue (59%)



Red (59%)

Yellow (91%)

Blue (82%)

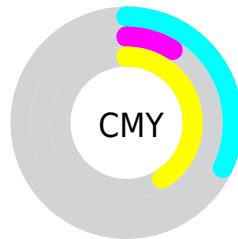


Cyan (25%)

Magenta (0%)

Yellow (35%)

Black (9%)



Cyan (32%)

Magenta (9%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8981, 68.9463, 39.8508 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 51.8981, 68.9463, 39.8508 by changing the saturation by 10% instead.





 51.8981, 68.9463,  
39.8508


 51.8981, 68.9463,  
39.8508

384.3735,  
456.8416, 361.0277

 37.1478, 50.6680,  
27.1093


 92.1561, 117.7049,  
76.1709

 25.4961, 35.9444,  
17.4222


 118.3944,  
148.9539, 100.5865

 16.5778, 24.3913,  
10.3708


149.1929,  
185.2953, 129.7307

 10.0274, 15.6241,  
5.5367

184.9167,  
227.1135, 164.0219

 5.4795, 9.2586,  
2.5013

225.9314,  
274.7928, 203.8786

 2.5689, 4.9102,  
0.8408

272.6021,

 0.9301, 2.1947,

328.7176, 249.7195

0.0000

325.2944,  
389.2724, 301.9630

0.0000, 0.7171,  
0.0000

0.0000, 0.0000,  
0.0000

51.8981, 68.9463,  
39.8508

51.8981, 68.9463,  
39.8508

46.7216, 66.4765,  
30.7225

57.9067, 71.8064,  
50.9562

42.3335, 64.3707,  
23.4510

64.7781, 75.0640,  
64.1406

38.6937, 62.6132,  
17.9098

72.5476, 78.7373,  
79.5044

35.7562, 61.1834,  
13.9548

81.2471, 82.8407,  
97.1400

■ 33.4692, 60.0582,  
11.4185

■ 88.1480, 86.1961,  
106.5993

■ 31.7719, 59.2107,  
10.0957

■ 31.0961, 58.8698,  
9.7241

# Harmonies

## Analogous

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



60.4173, 68.9463, 30.6291



51.8981, 68.9463, 39.8508



47.3212, 68.9463, 60.1301

# Triad

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



51.8981, 68.9463, 39.8508



60.0826, 68.9463, 149.1375



88.0156, 68.9463, 61.0088

# Complementary

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



51.8981, 68.9463, 39.8508



51.9296, 41.5168, 81.6242

# 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.



87.9002, 68.9463, 92.3016



51.8981, 68.9463, 39.8508



70.9262, 68.9463, 149.5672

# Square

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



51.8981, 68.9463, 39.8508



51.6766, 68.9463, 125.5546



81.3648, 68.9463, 126.6032



81.6645, 68.9463, 40.3394



# Rectangle

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



51.8981, 68.9463, 39.8508



46.7612, 68.9463, 79.8843



81.3648, 68.9463, 126.6032



88.7524, 68.9463, 70.4547

# Sweetspot

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



51.8999, 68.9493, 39.8523



84.8111, 95.1649, 88.3939



61.3503, 64.3588, 38.4682



17.8649, 20.2329, 18.3514



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

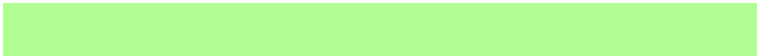


# Same Dimension

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



51.8999, 68.9493, 39.8523



59.5282, 83.1564, 40.8888



48.6148, 67.0931, 47.0457



14.5717, 16.2863, 15.2800



17.3692, 32.7356, 5.4032



1.3725, 2.4649, 0.4034



# Inverse Universe

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



51.9296, 41.5168, 81.6242



59.5486, 44.3105, 100.0220



56.7168, 44.2384, 70.3829



14.5754, 14.3989, 18.1554



16.9613, 7.8097, 42.9966



1.3434, 0.6235, 3.1815



# Previews

## White Background



This preview shows how the XYZ color 51.8981, 68.9463, 39.8508 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 51.8981, 68.9463, 39.8508 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 51.8981, 68.9463, 39.8508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8981, 68.9463, 39.8508.



This preview shows how white text looks on a background with the XYZ color 51.8981, 68.9463,



# 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

51.8981, 68.9463, 39.8508

### Protanopia

63.5216, 68.6178, 36.2822

### Deuteranopia

69.7244, 68.3543, 41.8666



## Tritanopia

62.1755, 68.6363, 91.6325

# Trichromacy



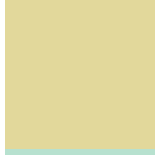
## Original Color

51.8981, 68.9463, 39.8508



## Protanomaly

58.5391, 68.3462, 37.7106



## Deuteranomaly

61.8363, 67.6470, 40.8084



## Tritanomaly

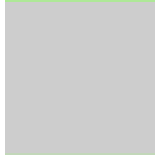
57.7161, 68.4227, 69.1964

# Monochromacy



## Original Color

51.8981, 68.9463, 39.8508



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

55.3055, 63.5730, 55.2548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8981, 68.9463, 39.8508 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(174, 232, 151)` looks like.

```
.text, #text, p{  
    color:rgb(174, 232, 151)  
}
```

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(174, 232, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 232, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8981, 68.9463, 39.8508 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(174, 232, 151) }
```



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

```
.border{ border-color:rgb(174, 232, 151) }
```

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

Here you see how a box with a 4 pixel rgb(174, 232, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 232, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 232, 151);  
box-shadow:4px 4px 4px 4px rgb(174, 232,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8981, 68.9463, 39.8508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 232, 151) }
```

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

```
.background{ background-color: rgb(174,  
232, 151) }
```

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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