

# Converting Colors

XYZ(59.5192, 79.3248, 39.0145)

Have a look what the booklet for  
XYZ(59.5192, 79.3248, 39.0145)  
contains.

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# Color

**XYZ(59.6068, 79.5130,  
38.9940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF791
RGB	190, 247, 145
RGB Percent	75%, 97%, 57%
CMY	0.2549, 0.0314, 0.4314
CMYK	0.23, 0.00, 0.41, 0.03
HSL	94°, 86%, 77%
HSV	94°, 41%, 97%
XYZ	59.6068, 79.5130, 38.9940
YIQ	218.3290, -1.2300, -43.8060

# Conversions

## Conversions Part 2

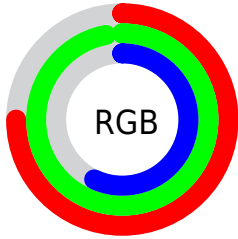
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 247, 202</a>
Decimal	<a href="#">12515217</a>
CIELab	<a href="#">91.47, -35.24, 43.26</a>
CIElCh	<a href="#">91, 55.792, 129.165</a>
Yxy	<a href="#">79.5130, 0.3347, 0.4464</a>
Android (android.graphics.Color)	<a href="#">4290705297 (0xFFBEF791)</a>
YUV	<a href="#">218.3290, -36.1512, -24.8445</a>
Hunter-Lab	<a href="#">89.1701, -36.7271, 36.4916</a>

# Details

The XYZ color **59.6068, 79.5130, 38.9940** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.2744, 39.5251, 92.9267**, and the grayscale version is **67.1119, 70.6070, 76.8910**.

A 20% lighter version of the original color is **84.8967, 95.6466, 68.6307**, and **30.2208, 42.6856, 17.0023** is the 20% darker color. If you saturate the color by 10%, you get **54.6199, 77.1413, 29.8766**, and if you desaturate by 10%, it is **65.3384, 82.2257, 50.3107**.

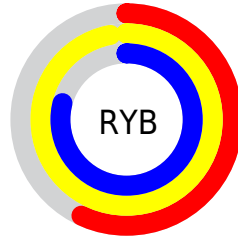
# Distribution



Red (75%)

Green (97%)

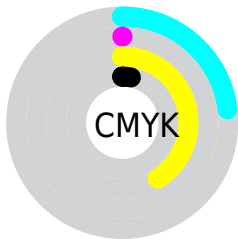
Blue (57%)



Red (57%)

Yellow (97%)

Blue (79%)

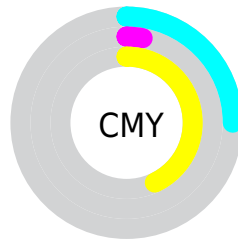


Cyan (23%)

Magenta (0%)

Yellow (41%)

Black (3%)



Cyan (25%)

Magenta (3%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6068, 79.5130, 38.9940 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 59.6068, 79.5130, 38.9940 by changing the saturation by 10% instead.




 59.6068, 79.5130,  
38.9940


 59.6068, 79.5130,  
38.9940


413.0049,  
493.2901, 357.2902

 43.3500, 59.3177,  
26.4473


 103.3687,  
132.6808, 74.8494

 30.3556, 42.8689,  
16.9298


 131.6045,  
166.4221, 98.9951

 20.2580, 29.7823,  
10.0230


164.5640,  
205.4475, 127.8443

 12.6921, 19.6734,  
5.3084

202.6126,  
250.1414, 161.8154

 7.2924, 12.1579,  
2.3674

246.1156,  
300.8883, 201.3270

 3.6936, 6.8513,  
0.7686


295.4385,


 1.5303, 3.3693,


358.0724, 246.7976


0.0000

350.9465,  
422.0782, 298.6459


 0.3463, 1.3274,  
0.0000


 0.0000, 0.1623,  
0.0000


 59.6068, 79.5130,  
38.9940


 59.6068, 79.5130,  
38.9940

 54.6199, 77.1413,  
29.8766


 65.3384, 82.2257,  
50.3107


 50.3355, 75.0846,  
22.8103

 71.8420, 85.2832,  
63.9520

 46.7160, 73.3294,  
17.6364

 79.1507, 88.7025,  
80.0396

 43.7165, 71.8567,  
14.1712

 87.2938, 92.4962,  
98.6855

■ 41.2848, 70.6443,  
12.1938

■ 92.5524, 95.0048,  
108.0675

■ 39.5647, 69.7738,  
11.3824

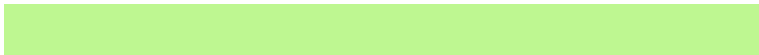
# Harmonies

## Analogous

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



71.3080, 79.5130, 30.0444



59.6068, 79.5130, 38.9940



52.8176, 79.5130, 61.6322

# Triad

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



59.6068, 79.5130, 38.9940



66.2721, 79.5130, 182.1703



105.8668, 79.5130, 74.7070

# Complementary

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



59.6068, 79.5130, 38.9940



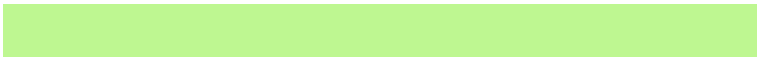
51.2744, 39.5251, 92.9267

# Split Complementary

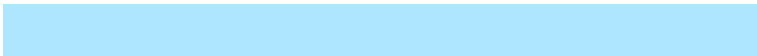
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0779, 79.5130, 117.4783



59.6068, 79.5130, 38.9940



80.0083, 79.5130, 189.0122

# Square

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



59.6068, 79.5130, 38.9940



56.3177, 79.5130, 145.9576



94.1665, 79.5130, 162.4712

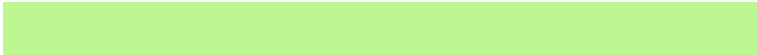


98.7862, 79.5130, 45.9809



# Rectangle

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



59.6068, 79.5130, 38.9940



51.4261, 79.5130, 85.4416



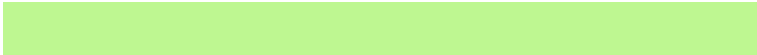
94.1665, 79.5130, 162.4712



106.3003, 79.5130, 87.7207

# Sweetspot

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



59.6088, 79.5165, 38.9957



84.4948, 95.0832, 84.7053



64.3817, 63.6415, 35.6800



17.8563, 20.2447, 17.6186



0.0000, 0.0000, 0.0000

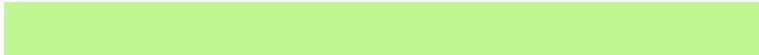


20.3446, 21.4041, 23.3091

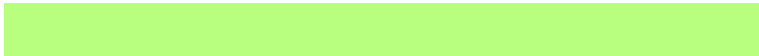


# Same Dimension

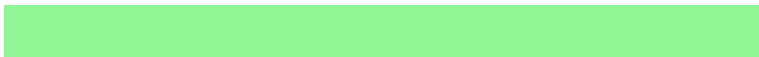
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.6088, 79.5165, 38.9957



59.3297, 83.2243, 33.1868



50.4533, 74.7502, 40.6667



16.9760, 18.8297, 17.5373



21.0805, 36.9802, 6.0268



1.9688, 3.3100, 0.5351



# Inverse Universe

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



51.2744, 39.5251, 92.9267



49.1922, 34.6368, 98.7006



64.4983, 46.4319, 89.4927



16.4671, 16.3834, 20.8370



14.5915, 6.4965, 47.0229

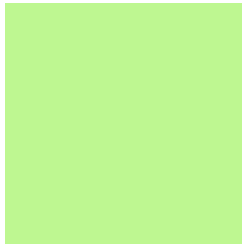


1.4005, 0.6318, 4.1384



# Previews

## White Background



This preview shows how the XYZ color 59.6068, 79.5130, 38.9940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

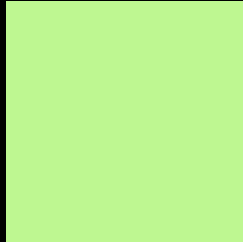
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6068, 79.5130, 38.9940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

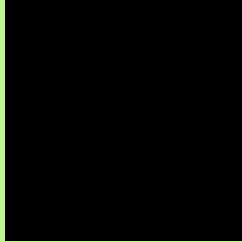
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.6068, 79.5130, 38.9940

## Background



This preview shows how black text looks on a background with the XYZ color 59.6068, 79.5130, 38.9940.



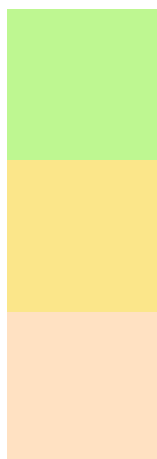
This preview shows how white text looks on a background with the XYZ color 59.6068, 79.5130,



# 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

59.6068, 79.5130, 38.9940

### Protanopia

72.6679, 78.9378, 35.4513

### Deuteranopia

77.9028, 79.0055, 62.1826



## Tritanopia

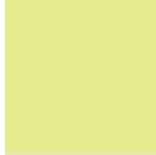
72.6060, 79.0593, 104.3617

# Trichromacy



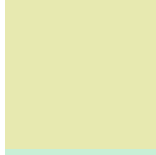
## Original Color

59.6068, 79.5130, 38.9940



## Protanomaly

67.1163, 78.5720, 36.8278



## Deuteranomaly

69.9304, 78.4013, 52.5215



## Tritanomaly

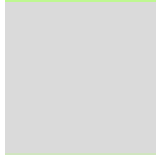
66.8235, 78.8674, 75.3193

# Monochromacy



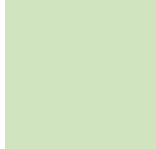
## Original Color

59.6068, 79.5130, 38.9940



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.4357, 73.2101, 60.0778

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6068, 79.5130, 38.9940 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(190, 247, 145)` looks like.

```
.text, #text, p{  
    color:rgb(190, 247, 145)  
}
```

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(190, 247, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 247, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6068, 79.5130, 38.9940 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(190, 247, 145) }
```



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

```
.border{ border-color:rgb(190, 247, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 247, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 247, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 247, 145);  
box-shadow:4px 4px 4px 4px rgb(190, 247,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6068, 79.5130, 38.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 247, 145) }
```

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

```
.background{ background-color: rgb(190,  
247, 145) }
```

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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