

# Converting Colors

XYZ(35.0934, 58.6569, 38.8900)

Have a look what the booklet for  
XYZ(35.0934, 58.6569, 38.8900)  
contains.

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# Color

**XYZ(35.0742, 58.6207,  
38.7445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AE497
RGB	58, 228, 151
RGB Percent	23%, 89%, 59%
CMY	0.7725, 0.1059, 0.4078
CMYK	0.75, 0.00, 0.34, 0.11
HSL	153°, 76%, 56%
HSV	153°, 75%, 89%
XYZ	35.0742, 58.6207, 38.7445
YIQ	168.3920, -76.6030, -59.9870

# Conversions

## Conversions Part 2

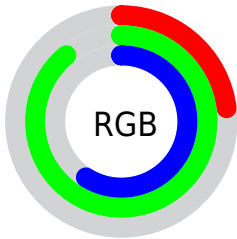
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 168, 228
Decimal	3859607
CIELab	81.08, -59.82, 25.66
CIElCh	81, 65.095, 156.785
Yxy	58.6207, 0.2648, 0.4426
Android (android.graphics.Color)	4282049687 (0xFF3AE497)
YUV	168.3920, -8.5743, -96.8138
Hunter-Lab	76.5642, -52.2160, 23.5918

# Details

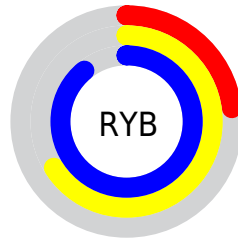
The XYZ color **35.0742, 58.6207, 38.7445** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **37.8830, 21.2706, 25.0327**, and the grayscale version is **37.4814, 39.4334, 42.9430**.

A 20% lighter version of the original color is **55.8027, 80.5654, 71.0021**, and **16.8632, 30.0459, 16.9673** is the 20% darker color. If you saturate the color by 10%, you get **33.2281, 57.7633, 34.4708**, and if you desaturate by 10%, it is **37.5832, 59.8145, 43.4354**.

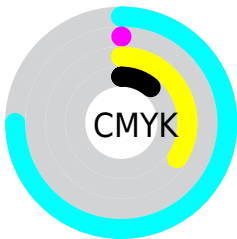
# Distribution



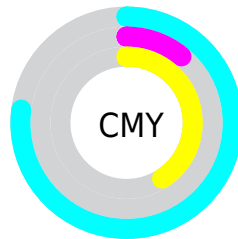
- Red (23%)
- Green (89%)
- Blue (59%)



- Red (23%)
- Yellow (66%)
- Blue (89%)



- Cyan (75%)
- Magenta (0%)
- Yellow (34%)
- Black (11%)




- Cyan (77%)
- Magenta (11%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0742, 58.6207, 38.7445 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 35.0742, 58.6207, 38.7445 by changing the saturation by 10% instead.





 35.0742, 58.6207,  
38.7445


 35.0742, 58.6207,  
38.7445


316.3980,  
419.4948, 356.1965


 23.8868, 42.3079,  
26.2547


 66.9340, 102.8262,  
74.4639


 15.3740, 29.3424,  
16.7868


 88.3371, 131.4876,  
98.5305


 9.1703, 19.3400,  
9.9223


 113.8761,  
165.0341, 127.2933

 4.9104, 11.9162,  
5.2425

 143.9165,  
203.8499, 161.1706

 2.2290, 6.6867,  
2.3290

 178.8235,  
248.3195, 200.5810

 0.7580, 3.2669,  
0.7474

218.9625,

 0.0000, 1.2726,

298.8272, 245.9431

0.0000

264.6989,  
355.7575, 297.6754

■ 0.0000, 0.1199,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.0742, 58.6207,  
38.7445

■ 35.0742, 58.6207,  
38.7445

■ 33.2281, 57.7633,  
34.4708

■ 37.5832, 59.8145,  
43.4354


■ 31.9544, 57.1911,  
30.5964


■ 40.8211, 61.3738,  
48.5522


■ 31.4289, 56.9627,  
28.6500


■ 44.8504, 63.3322,  
54.1081


■ 49.7255, 65.7175,  
60.1146

 55.4956, 68.5549,  
66.5825

 62.2062, 71.8677,  
73.5221

 69.8995, 75.6774,  
80.9435

 78.6150, 80.0043,  
88.8564

 85.3059, 83.2775,  
97.1257

# Harmonies

## Analogous

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



41.5522, 58.6207, 20.8353



35.0742, 58.6207, 38.7445



33.6805, 58.6207, 73.0368

# Triad

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



35.0742, 58.6207, 38.7445



58.8461, 58.6207, 170.0050



79.2438, 58.6207, 28.8141

# Complementary

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



35.0742, 58.6207, 38.7445



37.8830, 21.2706, 25.0327

# 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.



85.7306, 58.6207, 55.4277



35.0742, 58.6207, 38.7445



72.7830, 58.6207, 143.9714

# Square

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



35.0742, 58.6207, 38.7445



46.0835, 58.6207, 159.6402



83.1929, 58.6207, 97.9108



66.6078, 58.6207, 16.9362



# Rectangle

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



35.0742, 58.6207, 38.7445



35.5795, 58.6207, 103.6115



83.1929, 58.6207, 97.9108



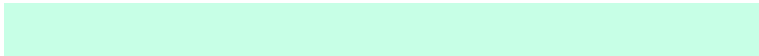
82.3016, 58.6207, 35.8071

# Sweetspot

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



35.0757, 58.6230, 38.7459



73.5120, 89.3386, 87.9306



38.8802, 61.1414, 13.7558



15.2579, 18.8871, 18.3125



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.



35.0757, 58.6230, 38.7459



41.9244, 74.0412, 41.8747



41.9602, 58.9232, 82.5634



14.5175, 16.2204, 16.9901



18.2081, 32.9153, 16.8620



1.3922, 2.4510, 1.4920



# Inverse Universe

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



37.8830, 21.2706, 25.0327



45.7428, 23.7274, 23.5874



34.5748, 20.4299, 6.1246



14.6470, 14.4760, 16.3418



19.9547, 10.1161, 8.6563



1.5209, 0.7661, 0.8836



# Previews

## White Background



This preview shows how the XYZ color 35.0742, 58.6207, 38.7445 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 35.0742, 58.6207, 38.7445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

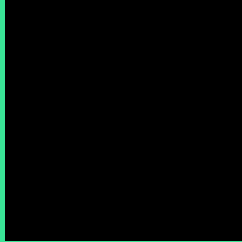
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.0742, 58.6207, 38.7445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0742, 58.6207, 38.7445.



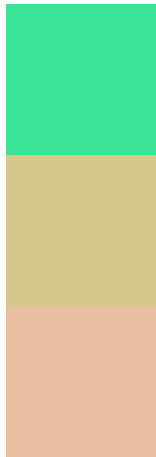
This preview shows how white text looks on a background with the XYZ color 35.0742, 58.6207,



# 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

35.0742, 58.6207, 38.7445

### Protanopia

53.4025, 57.3099, 32.6734

### Deuteranopia

58.7119, 57.5261, 40.8101



## Tritanopia

44.7861, 58.5739, 87.5427

# Trichromacy



## Original Color

35.0742, 58.6207, 38.7445



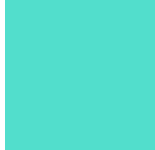
## Protanomaly

42.3026, 55.4473, 34.4594



## Deuteranomaly

44.1943, 54.4980, 39.6424



## Tritanomaly

40.5000, 58.3960, 66.2637

# Monochromacy



## Original Color

35.0742, 58.6207, 38.7445



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

33.8371, 44.0247, 40.8966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0742, 58.6207, 38.7445 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(58, 228, 151)` looks like.

```
.text, #text, p{  
    color:rgb(58, 228, 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(58, 228, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 228, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0742, 58.6207, 38.7445 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(58, 228, 151) }
```



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

```
.border{ border-color:rgb(58, 228, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 228, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 228, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 228, 151);  
box-shadow:4px 4px 4px 4px rgb(58, 228,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0742, 58.6207, 38.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 228, 151) }
```

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

```
.background{ background-color: rgb(58, 228,  
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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