

Converting Colors

XYZ(38.9377, 58.7503, 17.6313)

Have a look what the booklet for
XYZ(38.9377, 58.7503, 17.6313)
contains.

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Color

**XYZ(38.8768, 58.6334,
17.6559)**

Conversions

Conversions Part 1

Format	Color
Hex	8EDE54
RGB	142, 222, 84
RGB Percent	56%, 87%, 33%
CMY	0.4431, 0.1294, 0.6706
CMYK	0.36, 0.00, 0.62, 0.13
HSL	95°, 68%, 60%
HSV	95°, 62%, 87%
XYZ	38.8768, 58.6334, 17.6559
YIQ	182.3480, -3.3820, -59.8780

Conversions

Conversions Part 2

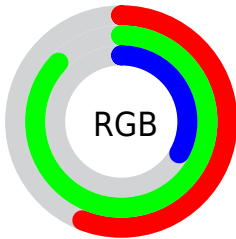
Format	Color
RYB	84, 222, 164
Decimal	9363028
CIELab	81.09, -47.34, 58.33
CIELCh	81, 75.124, 129.058
Yxy	58.6334, 0.3376, 0.5091
Android (android.graphics.Color)	4287553108 (0xFF8EDE54)
YUV	182.3480, -48.4856, -35.3852
Hunter-Lab	76.5724, -43.3751, 39.9298

Details

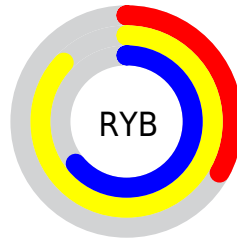
The XYZ color **38.8768, 58.6334, 17.6559** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **31.6679, 19.5090, 71.2070**, and the grayscale version is **44.9123, 47.2512, 51.4566**.

A 20% lighter version of the original color is **64.2396, 85.6634, 37.5750**, and **17.5580, 29.2739, 5.6447** is the 20% darker color. If you saturate the color by 10%, you get **36.0595, 57.2679, 13.6825**, and if you desaturate by 10%, it is **42.2274, 60.2456, 23.0945**.

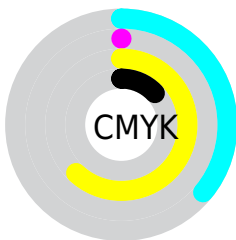
Distribution



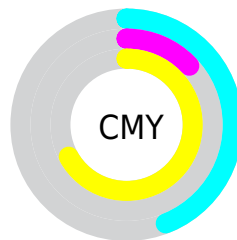
- Red (56%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (64%)



- Cyan (36%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (44%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8768, 58.6334, 17.6559 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 38.8768, 58.6334, 17.6559 by changing the saturation by 10% instead.


 38.8768, 58.6334,
17.6559


 38.8768, 58.6334,
17.6559


332.5826,
419.5420, 251.0950


 26.8442, 42.3181,
10.5363


 72.7453, 102.8447,
40.2561


 17.5922, 29.3504,
5.6458

 95.3120, 131.5094,
56.5738

 10.7555, 19.3461,
2.5656


 122.1207,
165.0594, 76.7947

 5.9688, 11.9206,
0.8746

 153.5368,
203.8790, 101.3372

 2.8666, 6.6896,
0.0000

189.9257,
248.3527, 130.6200

 1.0836, 3.2688,
0.0000

231.6528,

 0.0113, 1.2736,

298.8648, 165.0615

0.0000

279.0833,
355.7998, 205.0803

■ 0.0000, 0.1206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8768, 58.6334,
17.6559

■ 38.8768, 58.6334,
17.6559

■ 36.0595, 57.2679,
13.6825

■ 42.2274, 60.2456,
23.0945

■ 33.7357, 56.1263,
11.0277


■ 46.1389, 62.1106,
30.1190


■ 31.8650, 55.1933,
9.5209


■ 50.6415, 64.2435,
38.8417


■ 30.6670, 54.5878,
8.9202


■ 55.7620, 66.6556,
49.3638

 61.5252, 69.3578,
61.7784

 67.9545, 72.3603,
76.1724

 75.0720, 75.6727,
92.6270

 81.8163, 78.8711,
105.5192

 85.4125, 80.7250,
105.6875

Harmonies

Analogous

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



51.1366, 58.6334, 11.0216



38.8768, 58.6334, 17.6559



32.1363, 58.6334, 37.7849

Triad

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



38.8768, 58.6334, 17.6559



45.6759, 58.6334, 182.4630



90.9315, 58.6334, 51.2433

Complementary

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



38.8768, 58.6334, 17.6559



31.6679, 19.5090, 71.2070

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.



88.7208, 58.6334, 99.7542



38.8768, 58.6334, 17.6559



60.5891, 58.6334, 191.8969

Square

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



38.8768, 58.6334, 17.6559



35.5222, 58.6334, 134.7598



76.8599, 58.6334, 156.5446



82.4333, 58.6334, 23.5540

Rectangle

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



38.8768, 58.6334, 17.6559



30.7851, 58.6334, 62.4393



76.8599, 58.6334, 156.5446



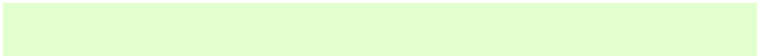
91.4456, 58.6334, 65.2651

Sweetspot

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



38.8782, 58.6359, 17.6572



78.6181, 92.3195, 72.4193



44.6824, 42.0833, 14.1563



16.3597, 19.5405, 14.5081



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.



38.8782, 58.6359, 17.6572



48.2016, 77.8278, 17.2951



31.7639, 54.9240, 19.3307



14.0720, 15.6173, 14.5795



18.3353, 32.4847, 5.3038



1.3713, 2.3034, 0.3723

Inverse Universe

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



31.6679, 19.5090, 71.2070



37.4647, 19.9294, 96.4799



45.2817, 26.6658, 65.5813



13.7094, 13.6337, 17.2967



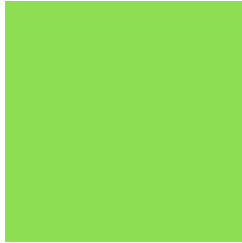
13.3117, 5.9577, 41.4967



1.0242, 0.4653, 2.8811

Previews

White Background



This preview shows how the XYZ color 38.8768, 58.6334, 17.6559 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 38.8768, 58.6334, 17.6559 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 38.8768, 58.6334, 17.6559

Background



This preview shows how black text looks on a background with the XYZ color 38.8768, 58.6334, 17.6559.

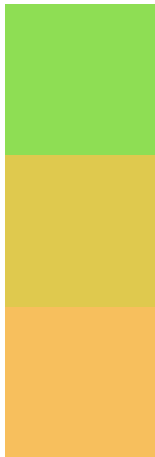


This preview shows how white text looks on a background with the XYZ color 38.8768, 58.6334,

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

38.8768, 58.6334, 17.6559

Protanopia

52.6932, 58.0113, 15.6278

Deuteranopia

58.9644, 57.8261, 18.4097



Tritanopia

51.2507, 58.3345, 79.7927

Trichromacy



Original Color

38.8768, 58.6334, 17.6559



Protanomaly

46.4966, 57.6494, 16.2662



Deuteranomaly

49.2605, 56.5346, 17.9888



Tritanomaly

44.9518, 57.6131, 48.7956

Monochromacy



Original Color

38.8768, 58.6334, 17.6559



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.0909, 50.2233, 34.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8768, 58.6334, 17.6559 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(142, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(142, 222, 84)  
}
```

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(142, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 222, 84) }
```

Border

The CSS property to change the border of an element to XYZ 38.8768, 58.6334, 17.6559 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(142, 222, 84) }
```


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

```
.border{ border-color:rgb(142, 222, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 222, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(142, 222,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8768, 58.6334, 17.6559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 222, 84) }
```

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

```
.background{ background-color: rgb(142,  
222, 84) }
```

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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