

Converting Colors

XYZ(38.4863, 59.3254, 47.8113)

Have a look what the booklet for
XYZ(38.4863, 59.3254, 47.8113)
contains.

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Color

**XYZ(38.5715, 59.4077,
47.9620)**

Conversions

Conversions Part 1

Format	Color
Hex	58E2AB
RGB	88, 226, 171
RGB Percent	35%, 89%, 67%
CMY	0.6549, 0.1137, 0.3294
CMYK	0.61, 0.00, 0.24, 0.11
HSL	156°, 70%, 62%
HSV	156°, 61%, 89%
XYZ	38.5715, 59.4077, 47.9620
YIQ	178.4680, -64.5930, -46.3610

Conversions

Conversions Part 2

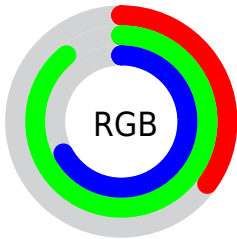
Format	Color
RYB	88, 174, 226
Decimal	5825195
CIELab	81.52, -50.14, 15.95
CIElCh	82, 52.621, 162.350
Yxy	59.4077, 0.2643, 0.4071
Android (android.graphics.Color)	4284015275 (0xFF58E2AB)
YUV	178.4680, -3.6817, -79.3404
Hunter-Lab	77.0764, -45.5566, 17.0593

Details

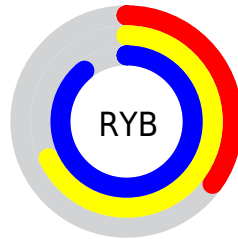
The XYZ color **38.5715, 59.4077, 47.9620** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **39.8135, 25.1327, 28.7413**, and the grayscale version is **42.6097, 44.8287, 48.8185**.

A 20% lighter version of the original color is **62.0651, 83.4950, 84.7965**, and **17.7045, 30.0814, 22.3259** is the 20% darker color. If you saturate the color by 10%, you get **35.9252, 58.1409, 43.5087**, and if you desaturate by 10%, it is **41.9424, 61.0444, 52.7573**.

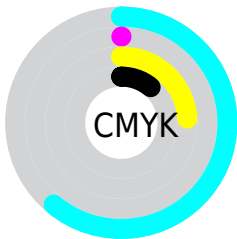
Distribution



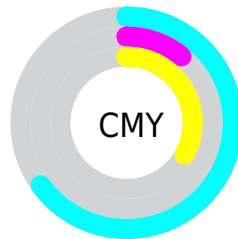
- Red (35%)
- Green (89%)
- Blue (67%)



- Red (35%)
- Yellow (68%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5715, 59.4077, 47.9620 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 38.5715, 59.4077, 47.9620 by changing the saturation by 10% instead.


 38.5715, 59.4077,
47.9620


 38.5715, 59.4077,
47.9620


331.3039,
422.4111, 395.1458


 26.6058, 42.9414,
33.4370


 72.2815, 103.9700,
88.5128


 17.4124, 29.8391,
22.1876


 94.7565, 132.8348,
115.3757

 10.6261, 19.7165,
13.7952

 121.4653,
166.6011, 147.1883

 5.8814, 12.1892,
7.8412

 152.7733,
205.6535, 184.3691

 2.8131, 6.8726,
3.9072

189.0458,
250.3763, 227.3368

 1.0557, 3.3826,
1.5746

230.6481,

 0.0000, 1.3346,

301.1539, 276.5097

0.2726

277.9457,
358.3707, 332.3066

■ 0.0000, 0.1677,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5715, 59.4077,
47.9620

■ 38.5715, 59.4077,
47.9620

■ 35.9252, 58.1409,
43.5087

■ 41.9424, 61.0444,
52.7573

■ 33.9341, 57.2037,
39.3841


■ 46.0897, 63.0729,
57.8991


■ 32.5225, 56.5587,
35.5800


■ 51.0658, 65.5216,
63.3967


■ 31.6362, 56.1704,
32.4401


■ 56.9170, 68.4144,
69.2579

 63.6861, 71.7730,
75.4901

 71.4129, 75.6180,
82.1004

 80.1350, 79.9686,
89.0958

 84.6247, 82.1298,
96.2366

 86.0194, 82.6876,
103.5810

Harmonies

Analogous

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



43.3500, 59.4077, 29.3807



38.5715, 59.4077, 47.9620



38.1792, 59.4077, 78.5641

Triad

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



38.5715, 59.4077, 47.9620



61.1236, 59.4077, 144.0029



73.6330, 59.4077, 31.7903

Complementary

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



38.5715, 59.4077, 47.9620



39.8135, 25.1327, 28.7413

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.



79.8183, 59.4077, 52.5449



38.5715, 59.4077, 47.9620



71.9902, 59.4077, 120.7540

Square

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



38.5715, 59.4077, 47.9620



50.2762, 59.4077, 141.5388



79.1807, 59.4077, 84.9028



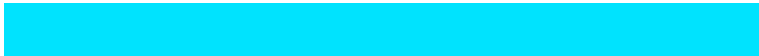
63.1424, 59.4077, 22.3540

Rectangle

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



38.5715, 59.4077, 47.9620



40.3776, 59.4077, 102.9302



79.1807, 59.4077, 84.9028



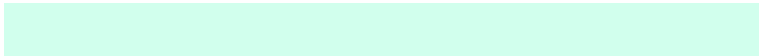
76.3425, 59.4077, 37.3249

Sweetspot

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



38.5731, 59.4101, 47.9634



77.3259, 91.1872, 93.4211



40.3220, 60.9573, 18.8739



16.0201, 19.2547, 19.4930



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.



38.5731, 59.4101, 47.9634



46.5244, 76.1080, 55.8509



41.3473, 54.7550, 80.3439



13.8732, 15.4750, 16.3674



18.1079, 32.0680, 18.8228



1.2990, 2.2403, 1.5354

Inverse Universe

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



39.8135, 25.1327, 28.7413



48.3200, 27.4823, 28.7613



37.8589, 26.3381, 12.3216



13.9324, 13.7906, 15.4142



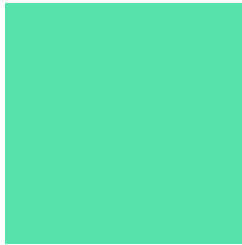
19.0027, 9.6681, 6.6800



1.3605, 0.6875, 0.6911

Previews

White Background



This preview shows how the XYZ color 38.5715, 59.4077, 47.9620 looks on a white background.

Color Contrast Check

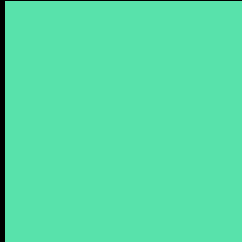
Large Text (above 18pt) WCAG AA × Fail

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 38.5715, 59.4077, 47.9620 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

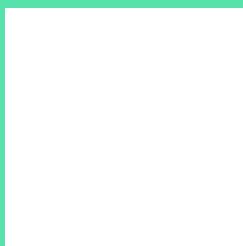
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5715, 59.4077, 47.9620

Background



This preview shows how black text looks on a background with the XYZ color 38.5715, 59.4077, 47.9620.

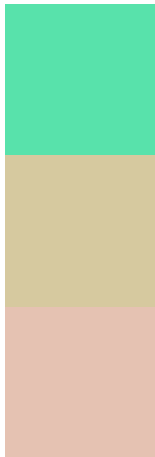


This preview shows how white text looks on a background with the XYZ color 38.5715, 59.4077,

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

38.5715, 59.4077, 47.9620

Protanopia

54.8762, 58.5726, 41.2143

Deuteranopia

59.6408, 58.4559, 50.2592



Tritanopia

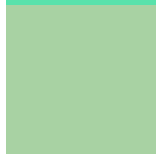
46.4972, 59.4560, 87.6227

Trichromacy



Original Color

38.5715, 59.4077, 47.9620



Protanomaly

45.8059, 57.0624, 43.2502



Deuteranomaly

48.1693, 56.7027, 48.9634



Tritanomaly

43.2196, 59.2911, 71.4538

Monochromacy



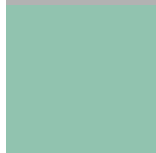
Original Color

38.5715, 59.4077, 47.9620



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.9300, 48.1451, 47.7985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5715, 59.4077, 47.9620 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(88, 226, 171)` looks like.

```
.text, #text, p{  
    color:rgb(88, 226, 171)  
}
```

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(88, 226, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 226, 171) }
```

Border

The CSS property to change the border of an element to XYZ 38.5715, 59.4077, 47.9620 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(88, 226, 171) }
```


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

```
.border{ border-color:rgb(88, 226, 171) }
```

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

Here you see how a box with a 4 pixel rgb(88, 226, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 226, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 226, 171);  
box-shadow:4px 4px 4px 4px rgb(88, 226,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5715, 59.4077, 47.9620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 226, 171) }
```

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

```
.background{ background-color: rgb(88, 226,  
171) }
```

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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