

Converting Colors

XYZ(38.5945, 59.8331, 49.7469)

Have a look what the booklet for
XYZ(38.5945, 59.8331, 49.7469)
contains.

XYZ(38.5024, 59.7435, 49.5468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5024, 59.7435,
49.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	51E3AE
RGB	81, 227, 174
RGB Percent	32%, 89%, 68%
CMY	0.6823, 0.1098, 0.3176
CMYK	0.64, 0.00, 0.23, 0.11
HSL	158°, 72%, 60%
HSV	158°, 64%, 89%
XYZ	38.5024, 59.7435, 49.5468
YIQ	177.3040, -70.0030, -47.4350

Conversions

Conversions Part 2

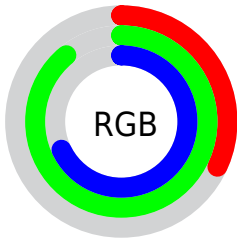
Format	Color
RYB	81, 170, 227
Decimal	5366702
CIELab	81.70, -51.16, 14.61
CIELCh	82, 53.202, 164.058
Yxy	59.7435, 0.2605, 0.4042
Android (android.graphics.Color)	4283556782 (0xFF51E3AE)
YUV	177.3040, -1.6289, -84.4586
Hunter-Lab	77.2939, -46.3482, 16.0998

Details

The XYZ color **38.5024, 59.7435, 49.5468** 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 **38.9260, 23.9384, 25.1254**, and the grayscale version is **41.9859, 44.1725, 48.1038**.

A 20% lighter version of the original color is **61.5445, 83.1625, 87.6711**, and **18.0758, 30.5310, 23.3527** is the 20% darker color. If you saturate the color by 10%, you get **36.0938, 58.5934, 45.3690**, and if you desaturate by 10%, it is **41.6135, 61.2531, 54.0175**.

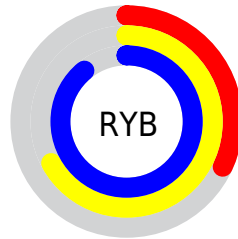
Distribution



Red (32%)

Green (89%)

Blue (68%)



Red (32%)

Yellow (67%)

Blue (89%)

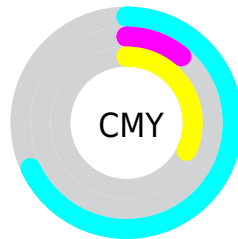


Cyan (64%)

Magenta (0%)

Yellow (23%)

Black (11%)



Cyan (68%)


Magenta (11%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5024, 59.7435, 49.5468 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 38.5024, 59.7435, 49.5468 by changing the saturation by 10% instead.


 38.5024, 59.7435,
49.5468


 38.5024, 59.7435,
49.5468


331.0140,
423.6517, 401.5752


 26.5518, 43.2119,
34.6848


 72.1765, 104.4575,
90.8924


 17.3718, 30.0514,
23.1385


 94.6307, 133.4087,
118.2131

 10.5968, 19.8776,
14.4896


 121.3169,
167.2686, 150.5237

 5.8617, 12.3061,
8.3193

 152.6003,
206.4215, 188.2428

 2.8010, 6.9525,
4.2093

188.8464,
251.2519, 231.7890

 1.0494, 3.4324,
1.7408

230.4204,

 0.0000, 1.3614,

302.1441, 281.5808

0.3885

277.6878,
359.4826, 338.0366

■ 0.0000, 0.1880,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5024, 59.7435,
49.5468

■ 38.5024, 59.7435,
49.5468

■ 36.0938, 58.5934,
45.3690

■ 41.6135, 61.2531,
54.0175

■ 34.3143, 57.7604,
41.4720


■ 45.4814, 63.1457,
58.7841


■ 33.0819, 57.2040,
37.8488


■ 50.1606, 65.4505,
63.8548


■ 32.5498, 56.9722,
35.9059

■ 55.6990, 68.1923,
69.2361

 62.1407, 71.3936,
74.9342

 69.5265, 75.0755,
80.9551

 77.8949, 79.2577,
87.3045

 84.4277, 82.4873,
93.8545

 85.6798, 82.9881,
100.4475

Harmonies

Analogous

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



43.0948, 59.7435, 30.0489



38.5024, 59.7435, 49.5468



38.3611, 59.7435, 81.1998

Triad

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



38.5024, 59.7435, 49.5468



62.1740, 59.7435, 145.0314



73.6976, 59.7435, 30.9138

Complementary

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



38.5024, 59.7435, 49.5468



38.9260, 23.9384, 25.1254

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.



80.3248, 59.7435, 51.1983



38.5024, 59.7435, 49.5468



73.1036, 59.7435, 120.1600

Square

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



38.5024, 59.7435, 49.5468



51.0757, 59.7435, 144.1376



80.0941, 59.7435, 83.4917



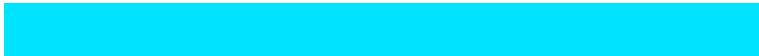
62.9034, 59.7435, 21.9610

Rectangle

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



38.5024, 59.7435, 49.5468



40.7552, 59.7435, 106.0343



80.0941, 59.7435, 83.4917



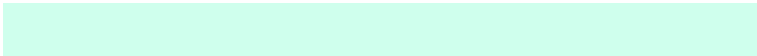
76.5461, 59.7435, 36.2779

Sweetspot

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



38.5040, 59.7459, 49.5482



76.7128, 90.8592, 93.9306



38.8729, 60.6470, 17.4426



15.9123, 19.1956, 19.6512



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.



38.5040, 59.7459, 49.5482



46.1653, 75.8881, 57.4082



39.7026, 52.1822, 80.6555



14.5738, 16.2429, 17.2863



19.0403, 33.2482, 21.2441



1.4512, 2.4746, 1.8025

Inverse Universe

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



38.9260, 23.9384, 25.1254



46.8106, 25.9619, 23.6385



37.7676, 26.1306, 10.8385



14.5921, 14.4540, 16.0526



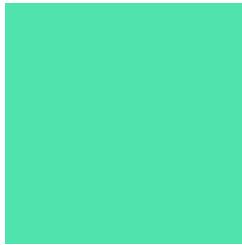
19.4234, 9.9036, 5.8586



1.4787, 0.7492, 0.6612

Previews

White Background



This preview shows how the XYZ color 38.5024, 59.7435, 49.5468 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 38.5024, 59.7435, 49.5468 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

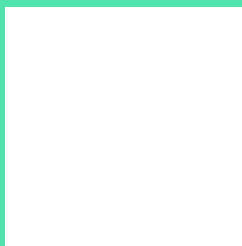
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5024, 59.7435, 49.5468

Background



This preview shows how black text looks on a background with the XYZ color 38.5024, 59.7435, 49.5468.

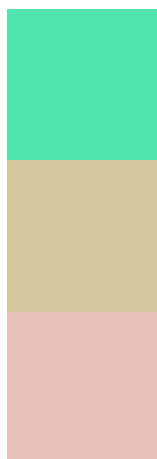


This preview shows how white text looks on a background with the XYZ color 38.5024, 59.7435,

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

38.5024, 59.7435, 49.5468

Protanopia

55.0512, 58.6426, 42.1359

Deuteranopia

59.6272, 58.4137, 51.8484



Tritanopia

46.2975, 59.7224, 88.4443

Trichromacy



Original Color

38.5024, 59.7435, 49.5468



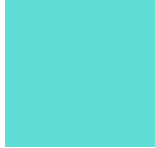
Protanomaly

45.6554, 56.9534, 44.6632



Deuteranomaly

47.7864, 56.4709, 50.5008



Tritanomaly

42.9554, 59.5334, 72.1779

Monochromacy



Original Color

38.5024, 59.7435, 49.5468



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.5069, 47.9156, 48.2934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5024, 59.7435, 49.5468 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(81, 227, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 227, 174)  
}
```

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(81, 227, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 227, 174) }
```

Border

The CSS property to change the border of an element to XYZ 38.5024, 59.7435, 49.5468 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(81, 227, 174) }
```


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

```
.border{ border-color:rgb(81, 227, 174) }
```

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

Here you see how a box with a 4 pixel rgb(81, 227, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 227, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 227, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 227,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5024, 59.7435, 49.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 227, 174) }
```

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

```
.background{ background-color: rgb(81, 227,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor