

# Converting Colors

XYZ(39.4475, 59.6146, 56.4414)

Have a look what the booklet for  
XYZ(39.4475, 59.6146, 56.4414)  
contains.

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# Color

**XYZ(39.4743, 59.6860,  
56.4538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50E2BB
RGB	80, 226, 187
RGB Percent	31%, 89%, 73%
CMY	0.6863, 0.1137, 0.2667
CMYK	0.65, 0.00, 0.17, 0.11
HSL	164°, 72%, 60%
HSV	164°, 65%, 89%
XYZ	39.4743, 59.6860, 56.4538
YIQ	177.9000, -74.4970, -43.0810

# Conversions

## Conversions Part 2

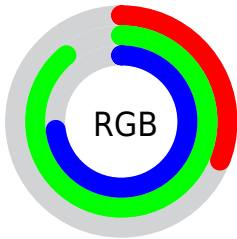
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 164, 226
Decimal	5300923
CIELab	81.67, -47.93, 7.72
CIELCh	82, 48.551, 170.851
Yxy	59.6860, 0.2537, 0.3836
Android (android.graphics.Color)	4283491003 (0xFF50E2BB)
YUV	177.9000, 4.4863, -85.8583
Hunter-Lab	77.2567, -43.9947, 10.7547




# Details

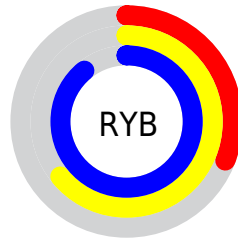
The XYZ color **39.4743, 59.6860, 56.4538** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.5645, 23.2396, 19.9610**, and the grayscale version is **42.2710, 44.4724, 48.4304**.




A 20% lighter version of the original color is **63.4393, 83.9204, 97.6487**, and **18.6778, 30.4707, 27.4513** is the 20% darker color. If you saturate the color by 10%, you get **37.2447, 58.6112, 53.0471**, and if you desaturate by 10%, it is **42.3758, 61.1070, 60.0365**.

# Distribution







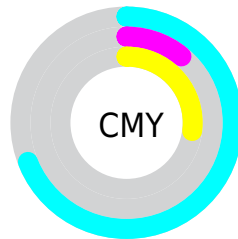
-  Red (31%)
-  Green (89%)
-  Blue (73%)






-  Red (31%)
-  Yellow (64%)
-  Blue (89%)



-  Cyan (65%)
-  Magenta (0%)
-  Yellow (17%)
-  Black (11%)




-  Cyan (69%)
-  Magenta (11%)
-  Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4743, 59.6860, 56.4538 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 39.4743, 59.6860, 56.4538 by changing the saturation by 10% instead.





 39.4743, 59.6860,  
56.4538


 39.4743, 59.6860,  
56.4538


335.0754,  
423.4394, 428.8357


 27.3113, 43.1656,  
40.1604


 73.6518, 104.3740,  
101.1602


 17.9449, 30.0151,  
27.3489


 96.3969, 133.3105,  
130.4103

 11.0099, 19.8500,  
17.6007


 123.4002,  
167.1543, 164.8164

 6.1408, 12.2861,  
10.4972

 155.0269,  
206.2901, 204.7970

 2.9724, 6.9388,  
5.6200

191.6424,  
251.1020, 250.7707

 1.1392, 3.4239,  
2.5504

233.6121,

 0.0575, 1.3568,

301.9747, 303.1561

0.8667

281.3013,  
359.2923, 362.3715

■ 0.0000, 0.1846,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4743, 59.6860,  
56.4538

■ 39.4743, 59.6860,  
56.4538

■ 37.2447, 58.6112,  
53.0471

■ 42.3758, 61.1070,  
60.0365

■ 35.6146, 57.8409,  
49.8072


■ 46.0027, 62.8973,  
63.7954


■ 34.5029, 57.3347,  
46.7300


■ 50.4085, 65.0859,  
67.7360


■ 34.0463, 57.1342,  
45.1319


■ 55.6400, 67.6970,  
71.8621

 61.7407, 70.7528,  
76.1773

 68.7505, 74.2739,  
80.6851

 76.7071, 78.2798,  
85.3888

 83.4763, 81.6703,  
90.1901

 84.3652, 82.0258,  
94.8708

# Harmonies

## Analogous

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



42.8290, 59.6860, 35.5670



39.4743, 59.6860, 56.4538



40.2933, 59.6860, 87.1202

# Triad

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



39.4743, 59.6860, 56.4538



64.0069, 59.6860, 132.9442



70.0456, 59.6860, 30.4153

# Complementary

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



39.4743, 59.6860, 56.4538



37.5645, 23.2396, 19.9610

# 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.



77.1200, 59.6860, 46.9625



39.4743, 59.6860, 56.4538



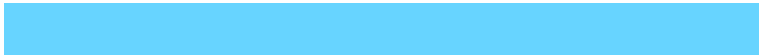
73.3534, 59.6860, 107.3288

# Square

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



39.4743, 59.6860, 56.4538



53.6659, 59.6860, 137.7822



78.3981, 59.6860, 74.3414



59.9081, 59.6860, 23.7891



# Rectangle

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



39.4743, 59.6860, 56.4538



43.1406, 59.6860, 109.1268



78.3981, 59.6860, 74.3414



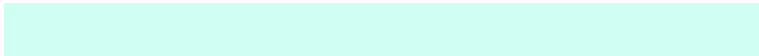
72.9092, 59.6860, 34.7176

# Sweetspot

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



39.4760, 59.6883, 56.4552



77.4022, 91.1349, 97.5606



36.5829, 59.0658, 17.0633



16.0800, 19.2626, 20.5338



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.



39.4760, 59.6883, 56.4552



48.0413, 76.6216, 68.0514



36.4112, 45.9458, 78.9034



13.9521, 15.5066, 16.7830



19.4744, 32.6146, 26.0192



1.3864, 2.2753, 1.9960



# Inverse Universe

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



37.5645, 23.2396, 19.9610



45.4320, 25.2072, 17.0051



38.5678, 28.2574, 11.0121



13.8568, 13.7604, 15.0163



18.4063, 9.4295, 3.5396

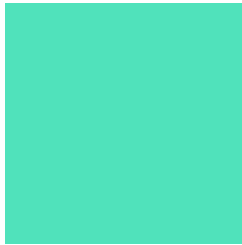


1.3125, 0.6683, 0.4387



# Previews

## White Background



This preview shows how the XYZ color 39.4743, 59.6860, 56.4538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

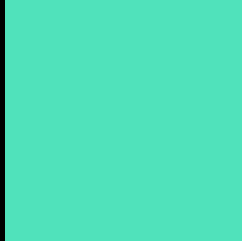
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4743, 59.6860, 56.4538 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

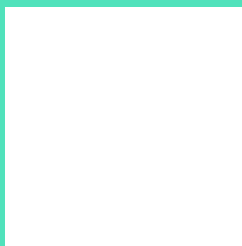
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4743, 59.6860, 56.4538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4743, 59.6860, 56.4538.



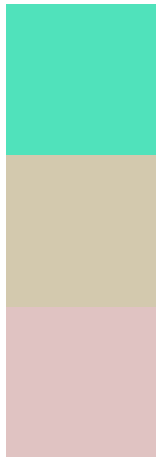
This preview shows how white text looks on a background with the XYZ color 39.4743, 59.6860,

56.4538.

# 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

39.4743, 59.6860, 56.4538

### Protanopia

55.3906, 58.6782, 48.4510

### Deuteranopia

59.9932, 58.7725, 59.2212



## Tritanopia

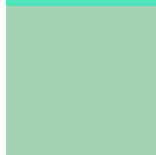
45.8731, 59.4868, 89.1851

# Trichromacy



## Original Color

39.4743, 59.6860, 56.4538



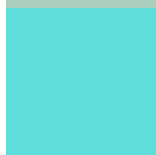
## Protanomaly

46.2875, 57.1344, 51.2363



## Deuteranomaly

48.4885, 56.6749, 57.6739



## Tritanomaly

43.4217, 59.6842, 76.2495

# Monochromacy



## Original Color

39.4743, 59.6860, 56.4538



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.0109, 48.1172, 50.9475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4743, 59.6860, 56.4538 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(80, 226, 187)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 187)  
}
```

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(80, 226, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4743, 59.6860, 56.4538 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(80, 226, 187) }
```



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

```
.border{ border-color:rgb(80, 226, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 187);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4743, 59.6860, 56.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 187) }
```

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

```
.background{ background-color: rgb(80, 226,  
187) }
```

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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