

# Converting Colors

XYZ(39.8829, 60.4095, 52.0825)

Have a look what the booklet for  
XYZ(39.8829, 60.4095, 52.0825)  
contains.

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# Color

**XYZ(39.9202, 60.4170,  
52.2055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE3B3
RGB	91, 227, 179
RGB Percent	36%, 89%, 70%
CMY	0.6431, 0.1098, 0.2980
CMYK	0.60, 0.00, 0.21, 0.11
HSL	159°, 71%, 62%
HSV	159°, 60%, 89%
XYZ	39.9202, 60.4170, 52.2055
YIQ	180.8640, -65.6480, -43.7600

# Conversions

## Conversions Part 2

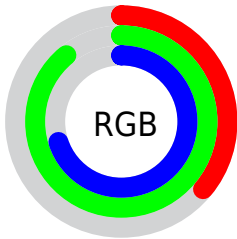
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 174, 227
Decimal	6022067
CIELab	82.06, -48.25, 12.54
CIElCh	82, 49.849, 165.430
Yxy	60.4170, 0.2617, 0.3961
Android (android.graphics.Color)	4284212147 (0xFF5BE3B3)
YUV	180.8640, -0.9190, -78.8107
Hunter-Lab	77.7284, -44.3496, 14.5883

# Details

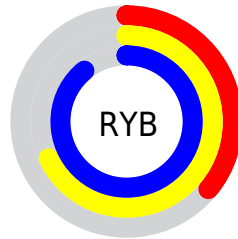
The XYZ color **39.9202, 60.4170, 52.2055** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **40.0819, 25.6787, 27.2725**, and the grayscale version is **43.8793, 46.1644, 50.2730**.

A 20% lighter version of the original color is **63.7043, 84.1936, 91.4907**, and **18.3288, 30.6322, 24.6852** is the 20% darker color. If you saturate the color by 10%, you get **37.2250, 59.1201, 47.9723**, and if you desaturate by 10%, it is **43.3424, 62.0864, 56.7212**.

# Distribution



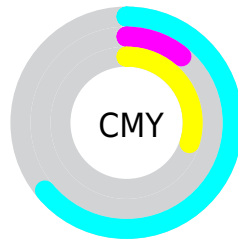
- Red (36%)
- Green (89%)
- Blue (70%)



- Red (36%)
- Yellow (68%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9202, 60.4170, 52.2055 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 39.9202, 60.4170, 52.2055 by changing the saturation by 10% instead.





 39.9202, 60.4170,  
52.2055


 39.9202, 60.4170,  
52.2055


336.9273,  
426.1331, 412.2089


 27.6603, 43.7548,  
36.7855


 74.3271, 105.4343,  
94.8639


 18.2089, 30.4778,  
24.7470


 97.2048, 134.5583,  
122.9394

 11.2006, 20.2015,  
15.6714


 124.3524,  
168.6050, 156.0705

 6.2702, 12.5416,  
9.1401

 156.1353,  
207.9588, 194.6758

 3.0523, 7.1137,  
4.7346

192.9189,  
253.0041, 239.1737

 1.1815, 3.5333,  
2.0364

235.0686,

 0.0917, 1.4161,

304.1254, 289.9828

0.5775

282.9496,  
361.7069, 347.5217

■ 0.0000, 0.2285,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.9202, 60.4170,  
52.2055

■ 39.9202, 60.4170,  
52.2055

■ 37.2250, 59.1201,  
47.9723

■ 43.3424, 62.0864,  
56.7212

■ 35.1879, 58.1555,  
44.0103

■ 47.5428, 64.1498,  
61.5219


■ 33.7348, 57.4867,  
40.3131


■ 52.5733, 66.6357,  
66.6152


■ 32.7355, 57.0467,  
36.8702


■ 58.4800, 69.5675,  
72.0072


 32.7273, 57.0431,  
36.8405

 65.3055, 72.9671,  
77.7036

 73.0895, 76.8550,  
83.7100

 81.8693, 81.2504,  
90.0316

 84.9029, 82.6774,  
96.3567

 86.1404, 83.1724,  
102.8734

# Harmonies

## Analogous

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



44.1330, 60.4170, 32.8165



39.9202, 60.4170, 52.2055



39.9822, 60.4170, 82.5110

# Triad

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



39.9202, 60.4170, 52.2055



63.0015, 60.4170, 139.3226



72.8949, 60.4170, 32.4295

# Complementary

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



39.9202, 60.4170, 52.2055



40.0819, 25.6787, 27.2725

# 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.



79.3197, 60.4170, 51.4854



39.9202, 60.4170, 52.2055



73.1481, 60.4170, 115.6484

# Square

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



39.9202, 60.4170, 52.2055



52.4638, 60.4170, 139.6959



79.4176, 60.4170, 81.5334



62.6885, 60.4170, 24.0104

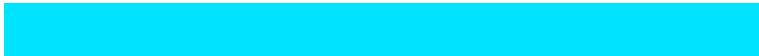


# Rectangle

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



39.9202, 60.4170, 52.2055



42.4099, 60.4170, 105.6082



79.4176, 60.4170, 81.5334



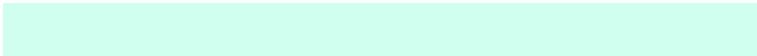
75.6208, 60.4170, 37.4898

# Sweetspot

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



39.9219, 60.4194, 52.2069



77.6331, 91.3100, 95.0389



40.3212, 61.3471, 19.6146



16.0953, 19.2848, 19.8891



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.



39.9219, 60.4194, 52.2069



47.7038, 76.6011, 61.0995



40.9492, 53.3081, 80.8071



14.5801, 16.2455, 17.3196



19.1433, 33.2894, 21.7866



1.4583, 2.4775, 1.8401



# Inverse Universe

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



40.0819, 25.6787, 27.2725



47.9771, 27.6009, 26.1670



39.0516, 28.0536, 13.2552



14.5860, 14.4516, 16.0205



19.3723, 9.8831, 5.5896

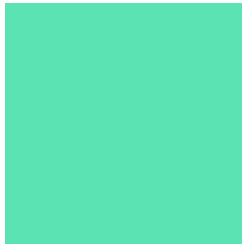


1.4744, 0.7475, 0.6389



# Previews

## White Background



This preview shows how the XYZ color 39.9202, 60.4170, 52.2055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

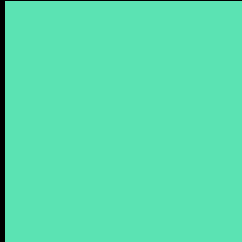
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9202, 60.4170, 52.2055 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

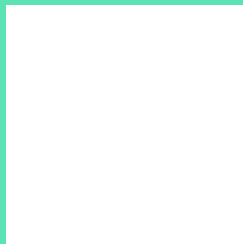
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.9202, 60.4170, 52.2055**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9202, 60.4170, 52.2055.



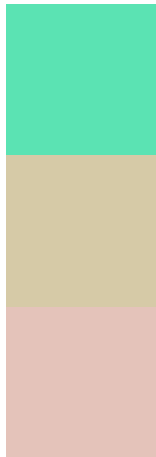
This preview shows how white text looks on a background with the XYZ color 39.9202, 60.4170,



# 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

39.9202, 60.4170, 52.2055

### Protanopia

55.8271, 59.3272, 45.0681

### Deuteranopia

60.3729, 59.0694, 54.6739



## Tritanopia

47.1731, 60.1570, 89.2459

# Trichromacy



## Original Color

39.9202, 60.4170, 52.2055



## Protanomaly

47.0071, 57.9638, 47.2387



## Deuteranomaly

49.2202, 57.5095, 53.3060



## Tritanomaly

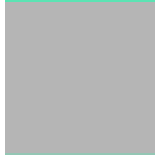
44.2249, 60.1435, 74.2437

# Monochromacy



## Original Color

39.9202, 60.4170, 52.2055



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

40.6450, 49.9794, 50.6848

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9202, 60.4170, 52.2055 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(91, 227, 179)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 179)  
}
```

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(91, 227, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9202, 60.4170, 52.2055 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(91, 227, 179) }
```



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

```
.border{ border-color:rgb(91, 227, 179) }
```

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

Here you see how a box with a 4 pixel rgb(91, 227, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 179);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9202, 60.4170, 52.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 179) }
```

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

```
.background{ background-color: rgb(91, 227,  
179) }
```

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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