

# Converting Colors

XYZ(39.5518, 56.7092, 67.2209)

Have a look what the booklet for  
XYZ(39.5518, 56.7092, 67.2209)  
contains.

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# Color

**XYZ(39.5327, 56.6970,  
67.2526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DDBCE
RGB	77, 219, 206
RGB Percent	30%, 86%, 81%
CMY	0.6980, 0.1412, 0.1922
CMYK	0.65, 0.00, 0.06, 0.14
HSL	175°, 66%, 58%
HSV	175°, 65%, 86%
XYZ	39.5327, 56.6970, 67.2526
YIQ	175.0600, -80.4590, -34.1470

# Conversions

## Conversions Part 2

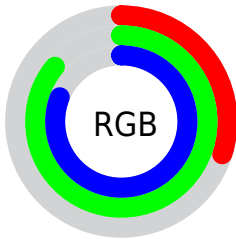
Format	Color
<a href="#">RYB</a>	<a href="#">77, 151, 219</a>
Decimal	<a href="#">5102542</a>
CIELab	<a href="#">80.01, -40.60, -4.79</a>
CIElCh	<a href="#">80, 40.884, 186.733</a>
Yxy	<a href="#">56.6970, 0.2418, 0.3468</a>
Android (android.graphics.Color)	<a href="#">4283292622 (0xFF4DDBCE)</a>
YUV	<a href="#">175.0600, 15.2534, -85.9986</a>
Hunter-Lab	<a href="#">75.2974, -38.0543, -0.2472</a>

# Details

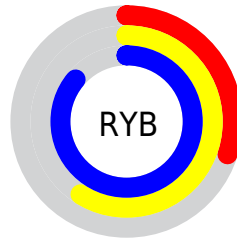
The XYZ color **39.5327, 56.6970, 67.2526** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.7147, 21.1078, 11.9722**, and the grayscale version is **40.7338, 42.8552, 46.6693**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **18.7647, 28.4614, 34.2104** is the 20% darker color. If you saturate the color by 10%, you get **37.8125, 55.8395, 65.9096**, and if you desaturate by 10%, it is **41.8540, 57.8666, 68.6424**.

# Distribution



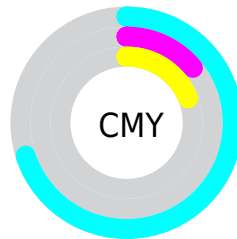
- Red (30%)
- Green (86%)
- Blue (81%)



- Red (30%)
- Yellow (59%)
- Blue (86%)



- Cyan (65%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (70%)
- Magenta (14%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5327, 56.6970, 67.2526 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 39.5327, 56.6970, 67.2526 by changing the saturation by 10% instead.





 39.5327, 56.6970,  
67.2526


 39.5327, 56.6970,  
67.2526


335.3183,  
412.3130, 469.3693


 27.3570, 40.7620,  
48.8271


 73.7403, 100.0229,  
116.9264


 17.9795, 28.1332,  
34.1177


 96.5028, 128.1827,  
149.0117

 11.0348, 18.4261,  
22.7059

 123.5250,  
161.1861, 186.4873

 6.1577, 11.2563,  
14.1733

 155.1723,  
199.4177, 229.7718

 2.9828, 6.2395,  
8.1011

191.8098,  
243.2618, 279.2837

 1.1447, 2.9913,  
4.0710

233.8031,

 0.0620, 1.1272,

293.1028, 335.4416

1.6644

281.5175,  
349.3250, 398.6639

■ 0.0000, 0.0010,  
0.3362

■ 0.0000, 0.0000,  
0.0000

■ 39.5327, 56.6970,  
67.2526

■ 39.5327, 56.6970,  
67.2526

■ 37.8125, 55.8395,  
65.9096

■ 41.8540, 57.8666,  
68.6424

■ 36.6258, 55.2554,  
64.6066


■ 44.8251, 59.3696,  
70.0777


■ 35.8982, 54.9075,  
63.3411


■ 48.4956, 61.2328,  
71.5620


■ 35.6354, 54.7860,  
62.6993


■ 52.9088, 63.4784,  
73.0976

 58.1044, 66.1271,  
74.6861

 64.1194, 69.1978,  
76.3296

 70.9885, 72.7085,  
78.0296

 78.7442, 76.6758,  
79.7877

 80.0336, 77.3092,  
81.2599

# Harmonies

## Analogous

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



40.5076, 56.6970, 45.3700



39.5327, 56.6970, 67.2526



42.0754, 56.6970, 93.3303

# Triad

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



39.5327, 56.6970, 67.2526



64.0166, 56.6970, 106.1272



60.4474, 56.6970, 28.5256

# Complementary

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



39.5327, 56.6970, 67.2526



33.7147, 21.1078, 11.9722

# 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.



67.7292, 56.6970, 38.2185



39.5327, 56.6970, 67.2526



69.9333, 56.6970, 81.6225

# Square

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



39.5327, 56.6970, 67.2526



55.7830, 56.6970, 119.2123



71.3573, 56.6970, 56.5247



52.0380, 56.6970, 26.5386



# Rectangle

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



39.5327, 56.6970, 67.2526



45.5939, 56.6970, 108.4201



71.3573, 56.6970, 56.5247



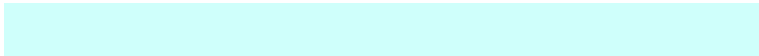
63.1333, 56.6970, 30.8425

# Sweetspot

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



39.5344, 56.6992, 67.2539



78.7104, 91.6582, 104.4500



31.0071, 53.4354, 15.7025



16.3999, 19.3906, 22.2185



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.



39.5344, 56.6992, 67.2539



52.6516, 78.4657, 92.3288



28.8043, 32.6057, 71.7955



13.3908, 14.8079, 16.5207



21.1509, 32.4930, 37.2898



1.3856, 2.1112, 2.4967



# Inverse Universe

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



33.7147, 21.1078, 11.9722



43.9056, 24.5967, 8.9674



39.0526, 32.5931, 11.2554



13.1042, 13.0708, 13.8101



17.4148, 8.9670, 1.2983

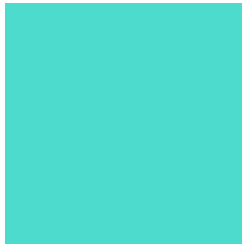


1.1452, 0.5877, 0.1738



# Previews

## White Background



This preview shows how the XYZ color 39.5327, 56.6970, 67.2526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

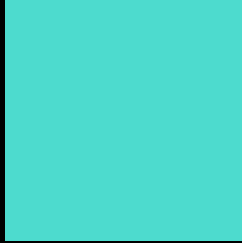
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5327, 56.6970, 67.2526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

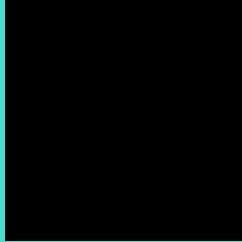
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

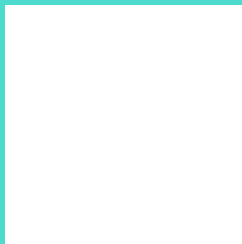
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5327, 56.6970, 67.2526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5327, 56.6970, 67.2526.



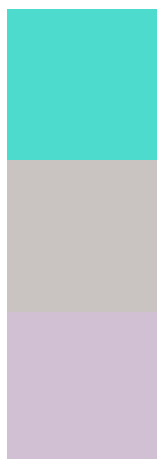
This preview shows how white text looks on a background with the XYZ color 39.5327, 56.6970,



# 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

39.5327, 56.6970, 67.2526

### Protanopia

53.4530, 55.7476, 58.3952

### Deuteranopia

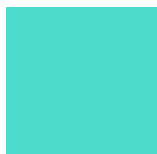
56.8090, 55.5704, 70.0194



## Tritanopia

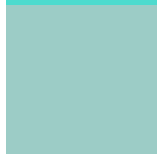
42.9858, 56.5509, 84.9938

# Trichromacy



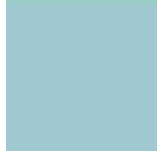
## Original Color

39.5327, 56.6970, 67.2526



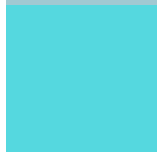
## Protanomaly

45.4962, 54.3309, 61.5151



## Deuteranomaly

47.2174, 54.0035, 68.9079



## Tritanomaly

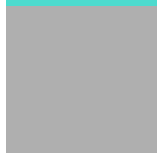
41.6215, 56.3707, 78.4990

# Monochromacy



## Original Color

39.5327, 56.6970, 67.2526



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

38.1412, 46.2957, 53.3801

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5327, 56.6970, 67.2526 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(77, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(77, 219, 206)  
}
```

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(77, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 219, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5327, 56.6970, 67.2526 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(77, 219, 206) }
```



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

```
.border{ border-color:rgb(77, 219, 206) }
```

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

Here you see how a box with a 4 pixel rgb(77, 219, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(77, 219,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5327, 56.6970, 67.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 219, 206) }
```

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

```
.background{ background-color: rgb(77, 219,  
206) }
```

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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