

# Converting Colors

XYZ(40.5178, 59.9551, 67.7478)

Have a look what the booklet for  
XYZ(40.5178, 59.9551, 67.7478)  
contains.

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# Color

**XYZ(40.5169, 59.9728,  
67.8330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41E2CE
RGB	65, 226, 206
RGB Percent	25%, 89%, 81%
CMY	0.7451, 0.1137, 0.1922
CMYK	0.71, 0.00, 0.09, 0.11
HSL	173°, 74%, 57%
HSV	173°, 71%, 89%
XYZ	40.5169, 59.9728, 67.8330
YIQ	175.5810, -89.5360, -40.3520

# Conversions

## Conversions Part 2

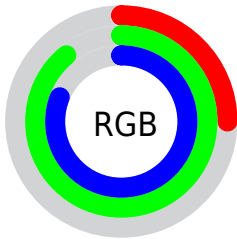
Format	Color
<a href="#">RYB</a>	<a href="#">65, 151, 226</a>
Decimal	<a href="#">4317902</a>
CIELab	<a href="#">81.82, -45.35, -2.15</a>
CIElCh	<a href="#">82, 45.402, 182.718</a>
Yxy	<a href="#">59.9728, 0.2407, 0.3563</a>
Android (android.graphics.Color)	<a href="#">4282507982</a> ( <a href="#">0xFF41E2CE</a> )
YUV	<a href="#">175.5810, 14.9966, -96.9795</a>
Hunter-Lab	<a href="#">77.4421, -42.1344, 2.2762</a>

# Details

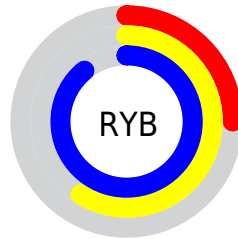
The XYZ color **40.5169, 59.9728, 67.8330** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.8960, 20.6069, 10.7347**, and the grayscale version is **41.0086, 43.1443, 46.9841**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **20.0422, 31.0164, 34.6362** is the 20% darker color. If you saturate the color by 10%, you get **38.9716, 59.2166, 65.9971**, and if you desaturate by 10%, it is **42.6699, 61.0444, 69.7319**.

# Distribution



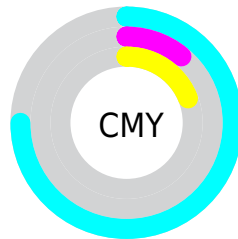
- Red (25%)
- Green (89%)
- Blue (81%)



- Red (25%)
- Yellow (59%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (75%)
- Magenta (11%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5169, 59.9728, 67.8330 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 40.5169, 59.9728, 67.8330 by changing the saturation by 10% instead.





 40.5169, 59.9728,  
67.8330


 40.5169, 59.9728,  
67.8330


339.3946,  
424.4975, 471.4861


 28.1278, 43.3967,  
49.2960


 75.2293, 104.7902,  
117.7652


 18.5630, 30.1965,  
34.4871


 98.2834, 133.8003,  
149.9974

 11.4570, 19.9878,  
22.9877

 125.6231,  
167.7239, 187.6319

 6.4447, 12.3862,  
14.3792

 157.6139,  
206.9453, 231.0871

 3.1605, 7.0072,  
8.2431

194.6211,  
251.8490, 280.7816

 1.2392, 3.4666,  
4.1609

237.0100,

 0.1370, 1.3799,

302.8193, 337.1339

1.7140

285.1461,  
360.2407, 400.5625

■ 0.0000, 0.2019,  
0.3703

■ 0.0000, 0.0000,  
0.0000

■ 40.5169, 59.9728,  
67.8330

■ 40.5169, 59.9728,  
67.8330

■ 38.9716, 59.2166,  
65.9971

■ 42.6699, 61.0444,  
69.7319


■ 37.9524, 58.7296,  
64.2161


■ 45.4892, 62.4573,  
71.6925


■ 37.3818, 58.4685,  
62.6962


■ 49.0321, 64.2425,  
73.7192


■ 53.3484, 66.4257,  
75.8144

 58.4834, 69.0303,  
77.9804

 64.4790, 72.0778,  
80.2192

 71.3741, 75.5883,  
82.5329

 79.2053, 79.5806,  
84.9233

 82.8997, 81.4396,  
87.1533

# Harmonies

## Analogous

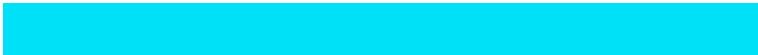
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.1533, 59.9728, 43.9880



40.5169, 59.9728, 67.8330



42.8714, 59.9728, 98.1520

# Triad

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



40.5169, 59.9728, 67.8330



67.5454, 59.9728, 120.4753



65.8659, 59.9728, 28.7504

# Complementary

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



40.5169, 59.9728, 67.8330



34.8960, 20.6069, 10.7347

# 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.



73.9402, 59.9728, 40.7428



40.5169, 59.9728, 67.8330



74.9836, 59.9728, 92.5775

# Square

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



40.5169, 59.9728, 67.8330



57.8800, 59.9728, 133.4091



77.4443, 59.9728, 62.8312



56.1336, 59.9728, 25.5190

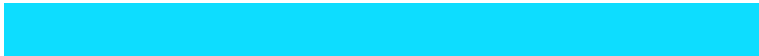


# Rectangle

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



40.5169, 59.9728, 67.8330



46.5603, 59.9728, 116.8882



77.4443, 59.9728, 62.8312



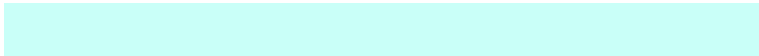
68.8994, 59.9728, 31.6864

# Sweetspot

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



40.5186, 59.9751, 67.8344



76.9657, 90.7988, 102.5589



32.0333, 56.7775, 14.2731



16.0477, 19.2183, 21.7803



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.



40.5186, 59.9751, 67.8344



50.5821, 77.5422, 85.7518



29.7220, 34.2424, 76.9971



14.0394, 15.5415, 17.2428



21.3558, 33.3672, 35.9262



1.5011, 2.3212, 2.6000



# Inverse Universe

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



34.8960, 20.6069, 10.7347



42.9005, 23.0460, 7.2154



39.5322, 30.9763, 8.8977



13.7762, 13.7281, 14.5915



18.0367, 9.2817, 1.5929

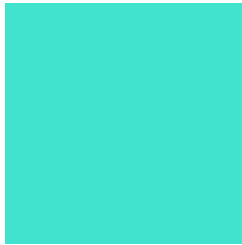


1.2732, 0.6526, 0.2317



# Previews

## White Background



This preview shows how the XYZ color 40.5169, 59.9728, 67.8330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

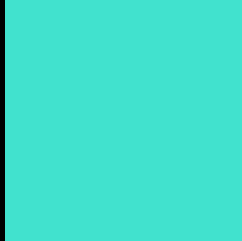
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5169, 59.9728, 67.8330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

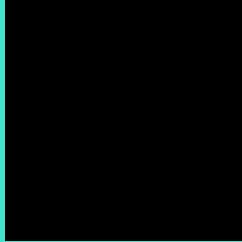
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

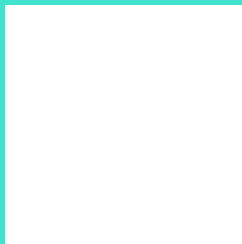
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.5169, 59.9728, 67.8330

## Background



This preview shows how black text looks on a background with the XYZ color 40.5169, 59.9728, 67.8330.



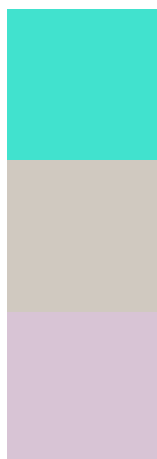
This preview shows how white text looks on a background with the XYZ color 40.5169, 59.9728,



# 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

40.5169, 59.9728, 67.8330

### Protanopia

56.4135, 58.9890, 58.2819

### Deuteranopia

60.0691, 58.8829, 71.1503



## Tritanopia

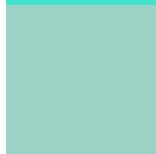
45.0037, 59.7839, 90.8289

# Trichromacy



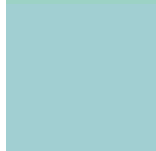
## Original Color

40.5169, 59.9728, 67.8330



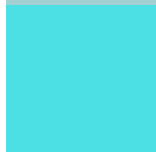
## Protanomaly

46.8349, 57.1923, 61.3941



## Deuteranomaly

48.6436, 56.8559, 69.3833



## Tritanomaly

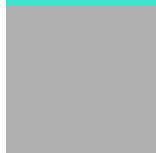
43.2333, 59.8579, 81.9481

# Monochromacy



## Original Color

40.5169, 59.9728, 67.8330



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

38.4148, 47.4057, 54.1392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5169, 59.9728, 67.8330 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(65, 226, 206)` looks like.

```
.text, #text, p{  
    color:rgb(65, 226, 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(65, 226, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 226, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5169, 59.9728, 67.8330 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(65, 226, 206) }
```



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

```
.border{ border-color:rgb(65, 226, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 226, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 226, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 226, 206);  
box-shadow:4px 4px 4px 4px rgb(65, 226,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5169, 59.9728, 67.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 226, 206) }
```

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

```
.background{ background-color: rgb(65, 226,  
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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