

# Converting Colors

XYZ(39.0029, 61.5847, 63.6251)

Have a look what the booklet for  
XYZ(39.0029, 61.5847, 63.6251)  
contains.

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# Color

**XYZ(39.1654, 61.8367,  
63.9043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E8C7
RGB	0, 232, 199
RGB Percent	0%, 91%, 78%
CMY	0.9998, 0.0902, 0.2196
CMYK	1.00, 0.00, 0.14, 0.09
HSL	171°, 100%, 45%
HSV	171°, 100%, 91%
XYZ	39.1654, 61.8367, 63.9043
YIQ	158.8700, -127.6790, -59.4470

# Conversions

## Conversions Part 2

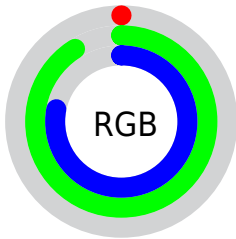
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 125, 232
Decimal	59591
CIELab	82.83, -53.91, 2.94
CIELCh	83, 53.986, 176.878
Yxy	61.8367, 0.2375, 0.3750
Android (android.graphics.Color)	4278249671 (0xFF00E8C7)
YUV	158.8700, 19.7841, -139.3290
Hunter-Lab	78.6363, -48.7103, 6.8630

# Details

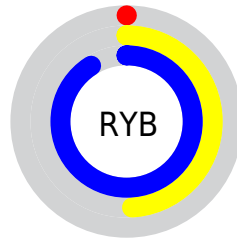
The XYZ color **39.1654, 61.8367, 63.9043** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **33.5555, 17.2674, 3.0066**, and the grayscale version is **32.8562, 34.5673, 37.6438**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **20.4408, 32.7043, 32.0233** is the 20% darker color. If you saturate the color by 10%, you get **39.1659, 61.8385, 63.9019**, and if you desaturate by 10%, it is **39.9131, 62.1789, 65.9633**.

# Distribution



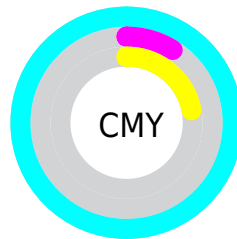
- Red (0%)
- Green (91%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1654, 61.8367, 63.9043 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 39.1654, 61.8367, 63.9043 by changing the saturation by 10% instead.




 39.1654, 61.8367,  
63.9043


 39.1654, 61.8367,  
63.9043


333.7883,  
431.3352, 457.0419


 27.0697, 44.9008,  
46.1275


 73.1834, 107.4895,  
112.0712

 17.7625, 31.3793,  
31.9970


 95.8364, 136.9751,  
143.2984


 10.8782, 20.8878,  
21.0944


 122.7392,  
171.4128, 179.8462

 6.0517, 13.0420,  
13.0011

 154.2573,  
211.1868, 222.1330

 2.9175, 7.4575,  
7.2986

 190.7558,  
256.6817, 270.5775

 1.1103, 3.7498,  
3.5683

232.6003,

 0.0337, 1.5346,

308.2818, 325.5981

1.3916

280.1560,  
366.3715, 387.6134

■ 0.0000, 0.3129,  
0.1352

■ 0.0000, 0.0000,  
0.0000

■ 39.1654, 61.8367,  
63.9043

■ 39.1654, 61.8367,  
63.9043

■ 39.1659, 61.8385,  
63.9019

■ 39.9131, 62.1789,  
65.9633

■ 41.0969, 62.7434,  
68.0849

■ 42.8546, 63.6028,  
70.2773

■ 45.2657, 64.7981,  
72.5446

■ 48.3970, 66.3637,  
74.8899

■ 52.3069, 68.3296,  
77.3165

■ 57.0480, 70.7231,  
79.8269

■ 62.6679, 73.5686,  
82.4237

■ 69.2111, 76.8891,  
85.1091

# Harmonies

## Analogous

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



41.9749, 61.8367, 38.0647



39.1654, 61.8367, 63.9043



41.0101, 61.8367, 100.6053

# Triad

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



39.1654, 61.8367, 63.9043



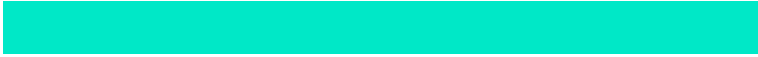
69.4665, 61.8367, 142.0662



71.8494, 61.8367, 26.6954

# Complementary

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



39.1654, 61.8367, 63.9043



33.5555, 17.2674, 3.0066

# 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.



81.0442, 61.8367, 42.3429



39.1654, 61.8367, 63.9043



79.5459, 61.8367, 108.7030

# Square

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



39.1654, 61.8367, 63.9043



57.5654, 61.8367, 153.5816



84.0298, 61.8367, 70.8753



59.9993, 61.8367, 21.5116



# Rectangle

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



39.1654, 61.8367, 63.9043



44.7842, 61.8367, 125.6775



84.0298, 61.8367, 70.8753



75.4102, 61.8367, 30.5873

# Sweetspot

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



39.1672, 61.8391, 63.9058



70.5818, 87.5829, 98.8655



29.5455, 58.0698, 9.6526



14.5484, 18.4639, 20.8765



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.



39.1672, 61.8391, 63.9058



48.5094, 76.6198, 79.0573



25.6038, 27.9012, 80.3825



14.7146, 16.2993, 18.0280



21.7785, 34.3435, 35.6633



1.6337, 2.5476, 2.7634



# Inverse Universe

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



33.5555, 17.2674, 3.0066



41.5627, 21.3891, 3.6295



36.2396, 23.0756, 2.5453



14.4601, 14.4012, 15.3573



18.6548, 9.5961, 1.8113



1.4050, 0.7197, 0.2732



# Previews

## White Background



This preview shows how the XYZ color 39.1654, 61.8367, 63.9043 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 39.1654, 61.8367, 63.9043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

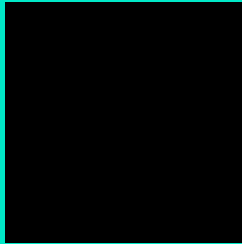
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

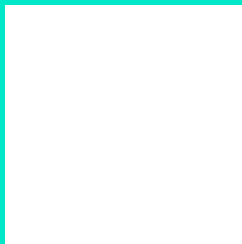
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.1654, 61.8367, 63.9043**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1654, 61.8367, 63.9043.



This preview shows how white text looks on a background with the XYZ color 39.1654, 61.8367,



# 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

39.1654, 61.8367, 63.9043

### Protanopia

57.6852, 60.7926, 54.0412

### Deuteranopia

61.7661, 60.5324, 66.8210



## Tritanopia

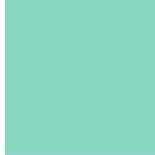
45.6398, 62.0144, 95.1524

# Trichromacy



## Original Color

39.1654, 61.8367, 63.9043



## Protanomaly

43.3852, 57.0015, 56.8599



## Deuteranomaly

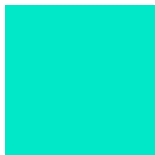
44.9814, 56.1558, 64.9683



## Tritanomaly

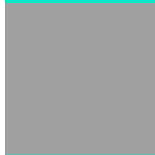
42.6614, 61.5597, 83.0325

# Monochromacy



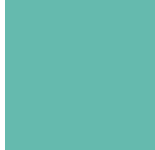
## Original Color

39.1654, 61.8367, 63.9043



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

30.5657, 40.9405, 46.3357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1654, 61.8367, 63.9043 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(0, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 199)  
}
```

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(0, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1654, 61.8367, 63.9043 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(0, 232, 199) }
```



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

```
.border{ border-color:rgb(0, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1654, 61.8367, 63.9043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 199) }
```

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

```
.background{ background-color: rgb(0, 232,  
199) }
```

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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