

# Converting Colors

CIELCh(39, 2.510, 283.355)

Have a look what the booklet for  
CIELCh(39, 2.510, 283.355) contains.

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# Color

**CIELCh(39, 2.479, 280.998)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B5C60
RGB	91, 92, 96
RGB Percent	36%, 36%, 38%
CMY	0.6442, 0.6402, 0.6246
CMYK	0.05, 0.04, 0.00, 0.62
HSL	228°, 3%, 37%
HSV	228°, 5%, 38%
XYZ	10.1918, 10.6589, 12.5224
YIQ	92.1570, -1.8800, 1.0320

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>YB</sub></b>	91, 92, 96
Decimal	5987424
CIE Lab	39.00, 0.47, -2.43
CIE LCh	39, 2.479, 280.998
Yxy	10.6589, 0.3054, 0.3194
Android (android.graphics.Color)	4284177504 (0xFF5B5C60)
YUV	92.1570, 1.8946, -1.0147
Hunter-Lab	32.6480, -1.4116, 0.1125

# Details

The CIELCh color **39, 2.479, 280.998** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 2.456, 99.801**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 2.297, 280.836**, and **19, 2.774, 281.410** is the 20% darker color. If you saturate the color by 10%, you get **36, 7.312, 282.151**, and if you desaturate by 10%, it is **42, 2.229, 99.862**.

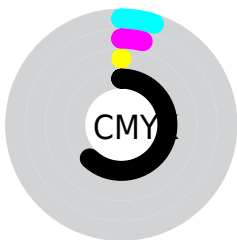
# Distribution



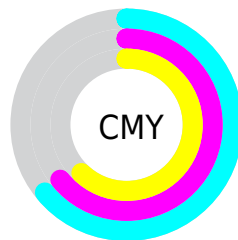
- Red (36%)
- Green (36%)
- Blue (38%)



- Red (36%)
- Yellow (36%)
- Blue (38%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (62%)



- Cyan (64%)
- Magenta (64%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 2.479, 280.998 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 CIELCh color 39, 2.479, 280.998 by changing the saturation by 10% instead.



■ 39, 2.479, 280.998

■ 39, 2.479, 280.998

■ 100, 2.479,  
280.998

■ 29, 2.479, 280.998

■ 59, 2.479, 280.998

■ 19, 2.479, 280.998

■ 69, 2.479, 280.998

■ 9, 2.479, 280.998

■ 79, 2.479, 280.998

■ 0, 2.479, 280.998

■ 89, 2.479, 280.998

■ 99, 2.479, 280.998

■ 39, 2.479, 280.998

■ 39, 2.479, 280.998

■ 36, 7.312, 282.151

■ 42, 2.229, 99.862

■ 33, 12.281,  
283.528

■ 45, 6.816, 98.985

■ 30, 17.397,  
285.125

■ 48, 11.289, 98.197

■ 27, 22.673,  
286.969

■ 51, 15.653, 97.501

■ 23, 28.122,  
289.084

■ 54, 19.912, 96.884

■ 20, 33.752,  
291.472

■ 57, 24.070, 96.334

■ 18, 39.546,  
294.100

■ 60, 28.132, 95.841

■ 15, 45.421,  
296.879

■ 63, 32.101, 95.398

■ 12, 51.198,  
299.556

■ 66, 35.980, 94.998

# Harmonies

# Complementary

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



39, 2.479, 280.998



40, 2.456, 99.801

# Rectangle

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



39, 2.479, 280.998



39, 2.479, 330.998



39, 2.479, 100.998



39, 2.479, 150.998

# Sweetspot

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



39, 2.478, 280.979



52, 1.181, 280.693



40, 2.183, 181.690



27, 0.677, 280.682



77, 0.009, 296.813



27, 0.004, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 2.478, 280.979



50, 3.549, 281.081



39, 3.131, 301.453



19, 1.884, 281.086



14, 61.338, 301.190



35, 113.201, 302.845





# Inverse Universe

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



39, 2.212, 3.531



50, 3.172, 3.636



40, 3.093, 120.901



19, 1.684, 3.641



22, 49.605, 26.693



50, 89.430, 30.399



# Previews

## White Background



This preview shows how the CIELCh color 39, 2.479, 280.998 looks on a white 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 × Fail

# Black Background



This preview shows how the CIE LCh color 39, 2.479, 280.998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

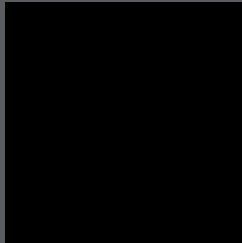
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

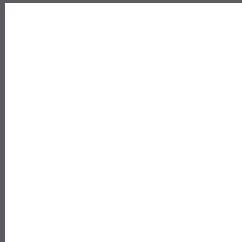
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 39, 2.479, 280.998**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 39, 2.479, 280.998.

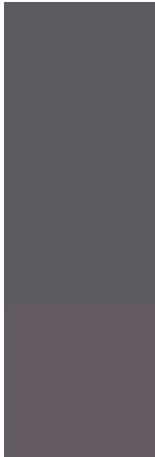


This preview shows how white text looks on a background with the CIELCh color 39, 2.479, 280.998.

# 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, 2.479, 280.998

### Protanopia

39, 2.496, 300.146

### Deuteranopia

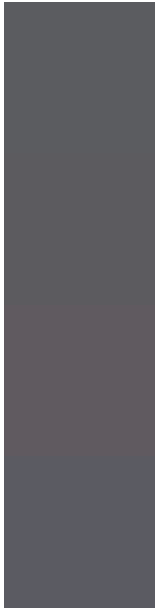
39, 6.021, 334.896



**Tritanopia**  
39, 4.906, 290.950



# Trichromacy



## Original Color

39, 2.479, 280.998

## Protanomaly

39, 2.496, 300.146

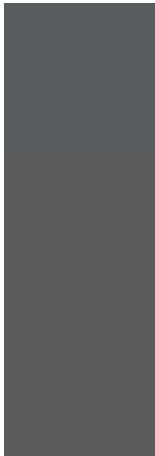
## Deuteranomaly

39, 4.472, 324.726

## Tritanomaly

39, 4.293, 290.856

# Monochromacy



## Original Color

39, 2.479, 280.998

## Achromatopsia

39, 0.006, 296.813

## Achromatomaly

39, 0.617, 290.333

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 2.479, 280.998 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, 92, 96)` looks like.

```
.text, #text, p{  
    color:rgb(91, 92, 96)  
}
```

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, 92, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 92, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 2.479, 280.998 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, 92, 96) }
```

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

```
.border{ border-color:rgb(91, 92, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 92, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 92, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 92, 96);  
box-shadow:4px 4px 4px 4px rgb(91, 92, 96)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 2.479, 280.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 92, 96) }
```

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

```
.background{ background-color: rgb(91, 92,  
96) }
```

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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