

Converting Colors

CIELCh(64, 39.452, 160.039)

Have a look what the booklet for
CIELCh(64, 39.452, 160.039)
contains.

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Color

CIELCh(64, 39.608, 160.110)

Conversions

Conversions Part 1

Format	Color
Hex	51AC82
RGB	81, 172, 130
RGB Percent	32%, 67%, 51%
CMY	0.6829, 0.3260, 0.4907
CMYK	0.53, 0.00, 0.24, 0.33
HSL	152°, 36%, 50%
HSV	152°, 53%, 67%
XYZ	22.1265, 32.8017, 26.2371
YIQ	140.0030, -40.7540, -32.3540

Conversions

Conversions Part 2

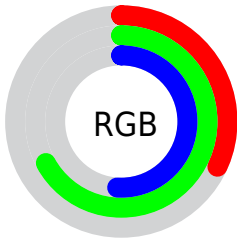
Format	Color
RYB	81, 140, 172
Decimal	5352578
CIELab	64.00, -37.25, 13.48
CIElCh	64, 39.608, 160.110
Yxy	32.8017, 0.2726, 0.4041
Android (android.graphics.Color)	4283542658 (0xFF51AC82)
YUV	140.0030, -4.9315, -51.7456
Hunter-Lab	57.2727, -31.2664, 12.9297

Details

The CIELCh color **64, 39.608, 160.110** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 42.468, 351.820**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 39.727, 160.198**, and **44, 39.498, 160.367** is the 20% darker color. If you saturate the color by 10%, you get **63, 45.919, 158.589**, and if you desaturate by 10%, it is **65, 32.750, 161.456**.

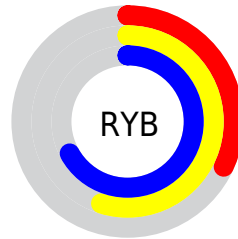
Distribution



Red (32%)

Green (67%)

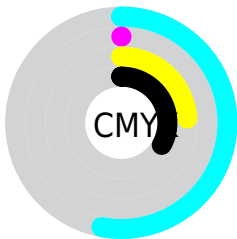
Blue (51%)



Red (32%)

Yellow (55%)

Blue (67%)

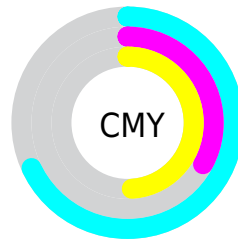


Cyan (53%)

Magenta (0%)

Yellow (24%)

Black (33%)



Cyan (68%)


Magenta (33%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.608, 160.110 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 64, 39.608, 160.110 by changing the saturation by 10% instead.


 64, 39.608,
160.110


 64, 39.608,
160.110


 100, 39.608,
160.110


 54, 39.608,
160.110


 84, 39.608,
160.110

 44, 39.608,
160.110

 94, 39.608,
160.110

 34, 39.608,
160.110

 24, 39.608,
160.110

 14, 39.608,
160.110

 4, 39.608, 160.110

 0, 39.608, 160.110

■ 64, 39.608,
160.110

■ 64, 39.608,
160.110

■ 63, 45.919,
158.589

■ 65, 32.750,
161.456

■ 63, 51.577,
156.874

■ 66, 25.466,
162.654

■ 62, 56.520,
154.952

■ 67, 17.886,
163.727

■ 62, 60.746,
152.827

■ 68, 10.130,
164.704

■ 62, 63.432,
151.301

■ 70, 2.305, 165.701

■ 71, 5.505, 346.267

■ 73, 13.232,
347.041

■ 75, 20.827,
347.733

■ 77, 28.256,
348.375

Harmonies

Complementary

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



64, 39.608, 160.110



47, 42.468, 351.820

Rectangle

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



64, 39.608, 160.110



64, 39.608, 210.110



64, 39.608, 340.110



64, 39.608, 30.110

Sweetspot

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



64, 39.609, 160.109



86, 15.535, 164.386



65, 52.263, 127.841



45, 10.468, 164.195



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 39.609, 160.109



81, 57.627, 158.229



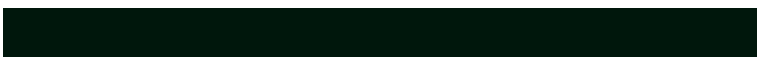
64, 27.155, 200.786



36, 4.461, 165.045



55, 57.211, 151.570



6, 10.091, 160.803

Inverse Universe

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



47, 42.468, 351.820



56, 61.894, 354.134



47, 40.268, 27.642



34, 4.527, 346.524



32, 56.983, 4.876



2, 8.946, 350.871

Previews

White Background



This preview shows how the CIELCh color 64, 39.608, 160.110 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 CIE LCh color 64, 39.608, 160.110 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](#).

CIELCh 64, 39.608, 160.110

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.608, 160.110.

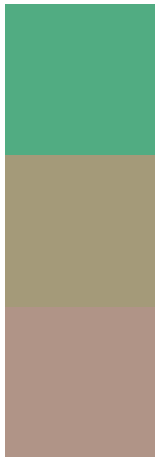


This preview shows how white text looks on a background with the CIELCh color 64, 39.608, 160.110.

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

64, 39.608, 160.110

Protanopia

64, 18.759, 95.299

Deuteranopia

63, 13.645, 52.060



Tritanopia
64, 23.058, 217.686

Trichromacy



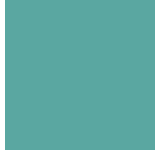
Original Color
64, 39.608, 160.110



Protanomaly
63, 22.546, 135.407



Deuteranomaly
63, 14.821, 134.025



Tritanomaly
64, 25.651, 189.655

Monochromacy



Original Color
64, 39.608, 160.110



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 15.885, 163.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.608, 160.110 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(81, 172, 130)` looks like.

```
.text, #text, p{  
    color:rgb(81, 172, 130)  
}
```

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(81, 172, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 172, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.608, 160.110 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(81, 172, 130) }
```

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

```
.border{ border-color:rgb(81, 172, 130) }
```

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

Here you see how a box with a 4 pixel rgb(81, 172, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 172, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 172, 130);  
box-shadow:4px 4px 4px 4px rgb(81, 172,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.608, 160.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 172, 130) }
```

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

```
.background{ background-color: rgb(81, 172,  
130) }
```

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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