

Converting Colors

CIELCh(39, 25.098, 165.655)

Have a look what the booklet for
CIELCh(39, 25.098, 165.655)
contains.

CIELCh(39, 25.110, 165.591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 25.110, 165.591)

Conversions

Conversions Part 1

Format	Color
Hex	2D6651
RGB	45, 102, 81
RGB Percent	18%, 40%, 32%
CMY	0.8234, 0.5999, 0.6823
CMYK	0.56, 0.00, 0.21, 0.60
HSL	158°, 39%, 29%
HSV	158°, 56%, 40%
XYZ	7.3220, 10.6589, 9.4594
YIQ	82.5630, -27.2310, -18.6150

Conversions

Conversions Part 2

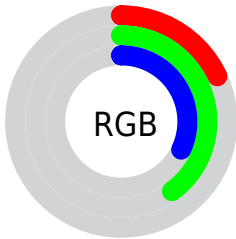
Format	Color
RYB	45, 80, 102
Decimal	2975313
CIELab	39.00, -24.32, 6.25
CIELCh	39, 25.110, 165.591
Yxy	10.6589, 0.2668, 0.3884
Android (android.graphics.Color)	4281165393 (0xFF2D6651)
YUV	82.5630, -0.7706, -32.9428
Hunter-Lab	32.6480, -17.1017, 5.6750

Details

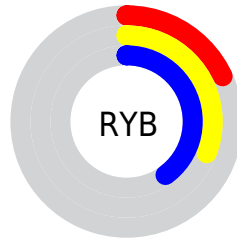
The CIELCh color **39, 25.110, 165.591** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 28.167, 358.203**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 24.877, 165.530**, and **19, 23.064, 163.095** is the 20% darker color. If you saturate the color by 10%, you get **39, 28.771, 164.167**, and if you desaturate by 10%, it is **40, 21.093, 166.869**.

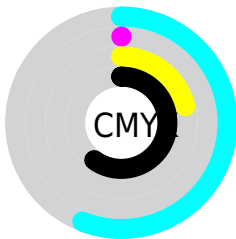
Distribution



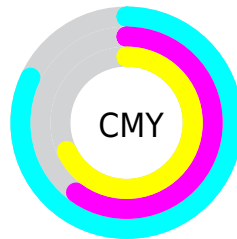
- Red (18%)
- Green (40%)
- Blue (32%)



- Red (18%)
- Yellow (31%)
- Blue (40%)



- Cyan (56%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)





- Cyan (82%)
- Magenta (60%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 25.110, 165.591 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, 25.110, 165.591 by changing the saturation by 10% instead.


 39, 25.110,
165.591


 39, 25.110,
165.591

 100, 25.110,
165.591


 29, 25.110,
165.591

 59, 25.110,
165.591


 19, 25.110,
165.591


 69, 25.110,
165.591

 9, 25.110, 165.591

 79, 25.110,
165.591

 0, 25.110, 165.591

 89, 25.110,
165.591

 99, 25.110,
165.591

■ 39, 25.110,
165.591

■ 39, 25.110,
165.591

■ 39, 28.771,
164.167

■ 40, 21.093,
166.869

■ 38, 32.022,
162.579

■ 40, 16.785,
168.026

■ 38, 34.833,
160.812

■ 41, 12.258,
169.080

■ 38, 37.282,
158.933

■ 42, 7.580, 170.053

■ 38, 38.287,
158.214

■ 43, 2.814, 171.001

■ 44, 1.987, 351.587

■ 45, 6.779, 352.457

■ 46, 11.528,
353.200

■ 47, 16.209,

Harmonies

Complementary

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



39, 25.110, 165.591



27, 28.167, 358.203

Rectangle

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



39, 25.110, 165.591



39, 25.110, 215.591



39, 25.110, 345.591



39, 25.110, 35.591

Sweetspot

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



39, 25.110, 165.590



53, 10.061, 169.900



39, 36.834, 130.574



27, 6.669, 169.777



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 25.110, 165.590



50, 35.941, 163.701



37, 17.308, 211.245



21, 2.689, 170.705



42, 41.852, 157.881



85, 74.482, 156.412

Inverse Universe

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



27, 28.167, 358.203



32, 40.958, 1.015



28, 26.080, 33.377



19, 2.741, 352.101



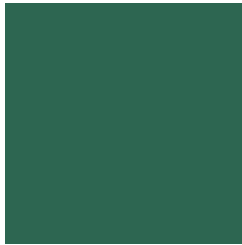
23, 47.088, 12.201



51, 82.428, 15.742

Previews

White Background



This preview shows how the CIELCh color 39, 25.110, 165.591 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, 25.110, 165.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

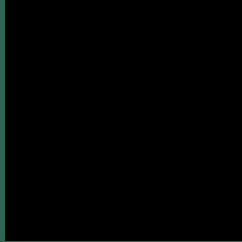
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 25.110, 165.591

Background



This preview shows how black text looks on a background with the CIELCh color 39, 25.110, 165.591.



This preview shows how white text looks on a background with the CIELCh color 39, 25.110, 165.591.

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, 25.110, 165.591

Protanopia
39, 9.535, 92.255

Deuteranopia
39, 7.074, 40.308



Tritanopia
39, 16.346, 215.211

Trichromacy



Original Color
39, 25.110, 165.591

Protanomaly
38, 12.750, 143.413

Deuteranomaly
38, 7.756, 146.343

Tritanomaly
39, 17.832, 193.247

Monochromacy



Original Color
39, 25.110, 165.591

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.086, 168.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 25.110, 165.591 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(45, 102, 81)` looks like.

```
.text, #text, p{  
    color:rgb(45, 102, 81)  
}
```

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(45, 102, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 102, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 25.110, 165.591 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(45, 102, 81) }
```

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

```
.border{ border-color:rgb(45, 102, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 102, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 102, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 102, 81);  
box-shadow:4px 4px 4px 4px rgb(45, 102,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 25.110, 165.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 102, 81) }
```

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

```
.background{ background-color: rgb(45, 102,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor