

Converting Colors

CIELCh(39, 122.350, 177.748)

Have a look what the booklet for
CIELCh(39, 122.350, 177.748)
contains.

CIELCh(45, 41.785, 160.579)	3
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Color

CIELCh(45, 41.785, 160.579)

Conversions

Conversions Part 1

Format	Color
Hex	007A52
RGB	0, 122, 82
RGB Percent	0%, 48%, 32%
CMY	0.9995, 0.5214, 0.6783
CMYK	1.00, 0.00, 0.33, 0.52
HSL	160°, 100%, 24%
HSV	160°, 100%, 48%
XYZ	8.4918, 14.5417, 10.3509
YIQ	80.9620, -59.8720, -38.3040

Conversions

Conversions Part 2

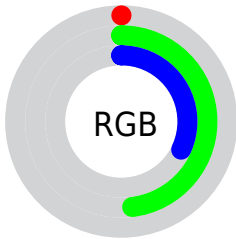
Format	Color
RYB	0, 73, 122
Decimal	31314
CIELab	45.00, -39.41, 13.89
CIELCh	45, 41.785, 160.579
Yxy	14.5417, 0.2544, 0.4356
Android (android.graphics.Color)	4278221394 (0xFF007A52)
YUV	80.9620, 0.5117, -71.0037
Hunter-Lab	38.1336, -26.9846, 10.6000

Details

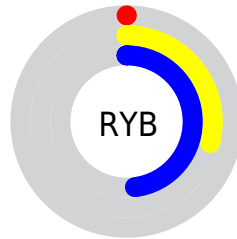
The CIELCh color **45, 41.785, 160.579** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 49.739, 16.276**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 41.362, 160.919**, and **26, 33.452, 152.500** is the 20% darker color. If you saturate the color by 10%, you get **45, 41.811, 160.559**, and if you desaturate by 10%, it is **45, 39.386, 162.493**.

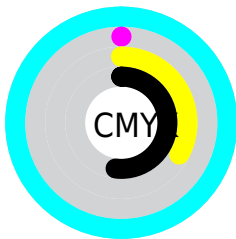
Distribution



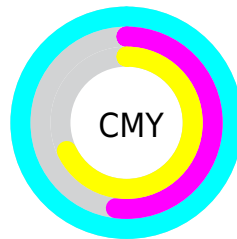
- Red (0%)
- Green (48%)
- Blue (32%)



- Red (0%)
- Yellow (29%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 41.785, 160.579 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 45, 41.785, 160.579 by changing the saturation by 10% instead.


 45, 41.785,
160.579


 45, 41.785,
160.579


 100, 41.785,
160.579


 35, 41.785,
160.579

 65, 41.785,
160.579


 25, 41.785,
160.579

 75, 41.785,
160.579

 15, 41.785,
160.579

 85, 41.785,
160.579

 5, 41.785, 160.579

 95, 41.785,
160.579

 0, 41.785, 160.579

 45, 41.785,

 45, 41.785,

160.579

160.579

■ 45, 41.811,
160.559

■ 45, 39.386,
162.493

■ 45, 36.662,
164.359

■ 46, 33.413,
166.039

■ 46, 29.650,
167.545

■ 47, 25.421,
168.898

■ 48, 20.795,
170.121

■ 48, 15.853,
171.235

■ 49, 10.679,
172.262

Harmonies

Complementary

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



45, 41.785, 160.579



25, 49.739, 16.276

Rectangle

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



45, 41.785, 160.579



45, 41.785, 210.579



45, 41.785, 340.579



45, 41.785, 30.579

Sweetspot

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



45, 41.785, 160.579



61, 19.639, 171.147



45, 65.935, 132.000



31, 13.254, 170.780



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 41.785, 160.579



58, 50.940, 159.982



39, 25.232, 226.982



25, 3.055, 173.313



46, 42.562, 160.501



88, 73.179, 159.228

Inverse Universe

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



25, 49.739, 16.276



33, 60.401, 17.792



26, 56.340, 42.018



24, 3.126, 354.791



25, 50.645, 16.467



53, 86.418, 19.729

Previews

White Background



This preview shows how the CIELCh color 45, 41.785, 160.579 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 45, 41.785, 160.579 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 45, 41.785, 160.579

Background



This preview shows how black text looks on a background with the CIELCh color 45, 41.785, 160.579.



This preview shows how white text looks on a background with the CIELCh color 45, 41.785, 160.579.

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

45, 41.785, 160.579

Protanopia

45, 18.683, 96.270

Deuteranopia

45, 13.045, 62.925



Tritanopia
45, 22.974, 210.758

Trichromacy



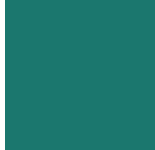
Original Color
45, 41.785, 160.579



Protanomaly
44, 25.983, 145.667



Deuteranomaly
43, 19.361, 149.426



Tritanomaly
45, 28.152, 185.263

Monochromacy



Original Color
45, 41.785, 160.579



Achromatopsia
34, 0.005, 296.813



Achromatomaly
37, 19.614, 168.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 41.785, 160.579 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, 122, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 82)  
}
```

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, 122, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 41.785, 160.579 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, 122, 82) }
```

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

```
.border{ border-color:rgb(0, 122, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 41.785, 160.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 82) }
```

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

```
.background{ background-color: rgb(0, 122,  
82) }
```

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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