

Converting Colors

CIELCh(44, 49.178, 150.940)

Have a look what the booklet for
CIELCh(44, 49.178, 150.940)
contains.

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Color

CIELCh(44, 49.116, 150.882)

Conversions

Conversions Part 1

Format	Color
Hex	01783E
RGB	1, 120, 62
RGB Percent	0%, 47%, 24%
CMY	0.9942, 0.5287, 0.7562
CMYK	0.99, 0.00, 0.48, 0.53
HSL	151°, 98%, 24%
HSV	151°, 99%, 47%
XYZ	7.6322, 13.8382, 6.8510
YIQ	77.8070, -52.3060, -43.2660

Conversions

Conversions Part 2

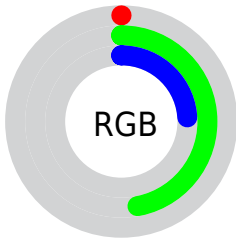
Format	Color
R_{YB}	1, 80, 120
Decimal	96318
CIE Lab	44.00, -42.91, 23.90
CIE LCh	44, 49.116, 150.882
Yxy	13.8382, 0.2695, 0.4886
Android (android.graphics.Color)	4278286398 (0xFF01783E)
YUV	77.8070, -7.7929, -67.3597
Hunter-Lab	37.1997, -28.4769, 15.1204

Details

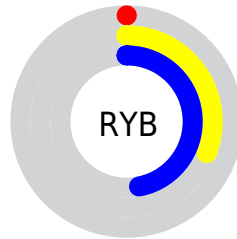
The CIELCh color **44, 49.116, 150.882** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 48.416, 0.901**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 48.769, 151.214**, and **25, 41.163, 141.816** is the 20% darker color. If you saturate the color by 10%, you get **44, 49.516, 150.655**, and if you desaturate by 10%, it is **44, 45.849, 152.870**.

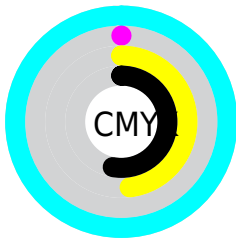
Distribution



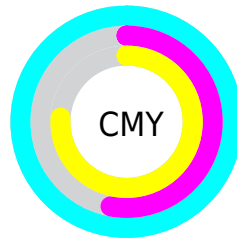
- Red (0%)
- Green (47%)
- Blue (24%)



- Red (0%)
- Yellow (31%)
- Blue (47%)



- Cyan (99%)
- Magenta (0%)
- Yellow (48%)
- Black (53%)



- Cyan (99%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 49.116, 150.882 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 44, 49.116, 150.882 by changing the saturation by 10% instead.

 44, 49.116,
150.882

 44, 49.116,
150.882

 100, 49.116,
150.882

 34, 49.116,
150.882

 64, 49.116,
150.882

 24, 49.116,
150.882

 74, 49.116,
150.882

 14, 49.116,
150.882

 84, 49.116,
150.882

 4, 49.116, 150.882

 94, 49.116,
150.882

 0, 49.116, 150.882

 44, 49.116,

 44, 49.116,

150.882

150.882

■ 44, 49.516,
150.655

■ 44, 45.849,
152.870

■ 44, 42.186,
154.796

■ 45, 37.995,
156.527

■ 45, 33.309,
158.068

■ 46, 28.195,
159.435

■ 47, 22.738,
160.650

■ 48, 17.032,
161.734

■ 48, 11.166,
162.711

Harmonies

Complementary

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



44, 49.116, 150.882



25, 48.416, 0.901

Rectangle

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



44, 49.116, 150.882



44, 49.116, 200.882



44, 49.116, 330.882



44, 49.116, 20.882

Sweetspot

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



44, 49.116, 150.882



60, 21.904, 161.530



45, 61.763, 127.368



31, 15.016, 161.166



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 49.116, 150.882



56, 60.434, 150.048



45, 28.643, 196.395



25, 3.404, 163.585



46, 51.017, 150.554



88, 88.205, 149.237

Inverse Universe

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



25, 48.416, 0.901



33, 58.544, 2.435



24, 57.624, 37.604



24, 3.447, 344.940



26, 50.008, 1.483



54, 83.884, 4.018

Previews

White Background



This preview shows how the CIELCh color 44, 49.116, 150.882 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 44, 49.116, 150.882 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 44, 49.116, 150.882

Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.116, 150.882.



This preview shows how white text looks on a background with the CIELCh color 44, 49.116, 150.882.

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


44, 49.116, 150.882

Protanopia

44, 28.476, 96.423

Deuteranopia

44, 22.916, 74.963



Tritanopia
44, 21.385, 213.708

Trichromacy



Original Color
44, 49.116, 150.882

Protanomaly
43, 34.428, 133.817

Deuteranomaly
42, 27.534, 132.149

Tritanomaly
44, 28.829, 177.930

Monochromacy



Original Color
44, 49.116, 150.882

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 21.771, 159.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 49.116, 150.882 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(1, 120, 62)` looks like.

```
.text, #text, p{  
    color:rgb(1, 120, 62)  
}
```

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(1, 120, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 120, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 49.116, 150.882 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(1, 120, 62) }
```

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

```
.border{ border-color:rgb(1, 120, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 120, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 120, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 120, 62);  
box-shadow:4px 4px 4px 4px rgb(1, 120, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 49.116, 150.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 120, 62) }
```

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

```
.background{ background-color: rgb(1, 120,  
62) }
```

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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