

Converting Colors

CIELCh(44, 50.433, 150.079)

Have a look what the booklet for
CIELCh(44, 50.433, 150.079)
contains.

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Color

CIELCh(44, 50.029, 150.085)

Conversions

Conversions Part 1

Format	Color
Hex	01783C
RGB	1, 120, 60
RGB Percent	0%, 47%, 24%
CMY	0.9971, 0.5282, 0.7637
CMYK	0.99, 0.00, 0.50, 0.53
HSL	150°, 99%, 24%
HSV	150°, 99%, 47%
XYZ	7.5841, 13.8382, 6.5834
YIQ	77.5790, -51.6640, -43.8880

Conversions

Conversions Part 2

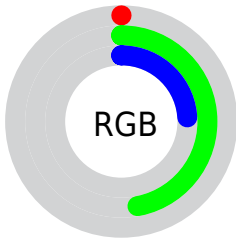
Format	Color
R_{YB}	1, 81, 120
Decimal	96316
CIE Lab	44.00, -43.36, 24.95
CIE LCh	44, 50.029, 150.085
Yxy	13.8382, 0.2708, 0.4941
Android (android.graphics.Color)	4278286396 (0xFF01783C)
YUV	77.5790, -8.6664, -67.1598
Hunter-Lab	37.1997, -28.7080, 15.5471

Details

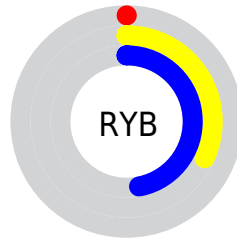
The CIELCh color **44, 50.029, 150.085** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 48.695, 359.901**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 50.011, 149.975**, and **25, 41.926, 141.016** is the 20% darker color. If you saturate the color by 10%, you get **44, 50.231, 149.973**, and if you desaturate by 10%, it is **44, 46.707, 152.058**.

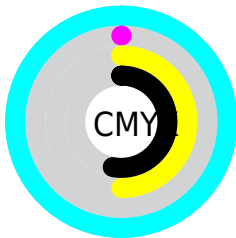
Distribution



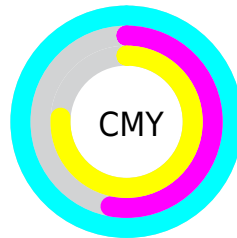
- Red (0%)
- Green (47%)
- Blue (24%)



- Red (0%)
- Yellow (32%)
- Blue (47%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (76%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 50.029, 150.085 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, 50.029, 150.085 by changing the saturation by 10% instead.

 44, 50.029,
150.085

 44, 50.029,
150.085


 100, 50.029,
150.085

 34, 50.029,
150.085

 64, 50.029,
150.085

 24, 50.029,
150.085

 74, 50.029,
150.085

 14, 50.029,
150.085

 84, 50.029,
150.085

 4, 50.029, 150.085

 94, 50.029,
150.085

 0, 50.029, 150.085

 44, 50.029,

 44, 50.029,

150.085

■ 44, 50.231,
149.973

150.085

■ 44, 46.707,
152.058

■ 44, 43.006,
153.994

■ 45, 38.771,
155.736

■ 45, 34.037,
157.287

■ 46, 28.869,
158.662

■ 47, 23.354,
159.882

■ 47, 17.586,
160.968

■ 48, 11.657,
161.945

Harmonies

Complementary

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



44, 50.029, 150.085



25, 48.695, 359.901

Rectangle

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



44, 50.029, 150.085



44, 50.029, 200.085



44, 50.029, 330.085



44, 50.029, 20.085

Sweetspot

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



44, 50.029, 150.085



60, 22.135, 160.830



45, 61.685, 126.834



31, 15.176, 160.467



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, 50.029, 150.085



56, 61.273, 149.370



45, 29.051, 193.967



25, 3.437, 162.869



46, 51.721, 149.875



88, 89.442, 148.561

Inverse Universe

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



25, 48.695, 359.901



33, 58.672, 1.185



24, 57.474, 37.067



24, 3.477, 344.209



26, 50.135, 0.266



54, 84.012, 2.715

Previews

White Background



This preview shows how the CIELCh color 44, 50.029, 150.085 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 CIELCh color 44, 50.029, 150.085 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, 50.029, 150.085

Background



This preview shows how black text looks on a background with the CIELCh color 44, 50.029, 150.085.



This preview shows how white text looks on a background with the CIELCh color 44, 50.029, 150.085.

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, 49.968, 150.026

Protanopia

44, 29.020, 96.506

Deuteranopia

44, 23.429, 75.585



Tritanopia
44, 21.385, 213.708

Trichromacy



Original Color
44, 49.968, 150.026

Protanomaly
43, 34.918, 133.378

Deuteranomaly
42, 28.052, 131.628

Tritanomaly
44, 29.140, 176.854

Monochromacy



Original Color
44, 49.968, 150.026

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, 50.029, 150.085 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(1, 120, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 120, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 50.029, 150.085 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, 60) }
```

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

```
.border{ border-color:rgb(1, 120, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 120, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 120, 60);  
box-shadow:4px 4px 4px 4px rgb(1, 120, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 50.029, 150.085 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, 60) }
```

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

```
.background{ background-color: rgb(1, 120,  
60) }
```

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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