

Converting Colors

CIELCh(45, 47.394, 153.572)

Have a look what the booklet for
CIELCh(45, 47.394, 153.572)
contains.

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Color

CIELCh(45, 47.316, 153.724)

Conversions

Conversions Part 1

Format	Color
Hex	007B46
RGB	0, 123, 70
RGB Percent	0%, 48%, 27%
CMY	0.9987, 0.5187, 0.7264
CMYK	1.00, 0.00, 0.43, 0.52
HSL	154°, 99%, 24%
HSV	154°, 100%, 48%
XYZ	8.1523, 14.5417, 8.1322
YIQ	80.1810, -56.2950, -42.5590

Conversions

Conversions Part 2

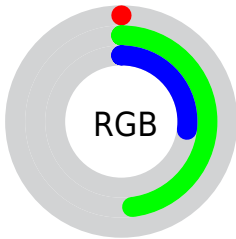
Format	Color
RYB	0, 78, 123
Decimal	31558
CIELab	45.00, -42.43, 20.95
CIELCh	45, 47.316, 153.724
Yxy	14.5417, 0.2645, 0.4717
Android (android.graphics.Color)	4278221638 (0xFF007B46)
YUV	80.1810, -5.0192, -70.3187
Hunter-Lab	38.1336, -28.5737, 14.0497

Details

The CIELCh color **45, 47.316, 153.724** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 49.076, 6.488**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 47.600, 153.682**, and **26, 39.491, 144.918** is the 20% darker color. If you saturate the color by 10%, you get **45, 47.397, 153.674**, and if you desaturate by 10%, it is **45, 44.310, 155.714**.

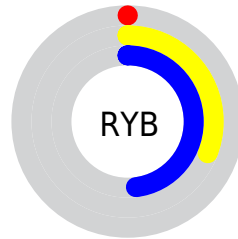
Distribution



Red (0%)

Green (48%)

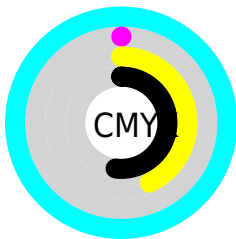
Blue (27%)



Red (0%)

Yellow (31%)

Blue (48%)

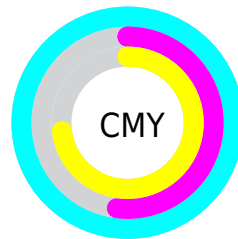


Cyan (100%)

Magenta (0%)

Yellow (43%)

Black (52%)



Cyan (100%)


Magenta (52%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 47.316, 153.724 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, 47.316, 153.724 by changing the saturation by 10% instead.


 45, 47.316,
153.724


 45, 47.316,
153.724


 100, 47.316,
153.724


 35, 47.316,
153.724

 65, 47.316,
153.724


 25, 47.316,
153.724

 75, 47.316,
153.724

 15, 47.316,
153.724

 85, 47.316,
153.724

 5, 47.316, 153.724

 95, 47.316,
153.724

 0, 47.316, 153.724

 45, 47.316,

 45, 47.316,

153.724

153.724

■ 45, 47.397,
153.674

■ 45, 44.310,
155.714

■ 45, 40.953,
157.662

■ 46, 37.066,
159.413

■ 46, 32.673,
160.976

■ 47, 27.832,
162.368

■ 48, 22.622,
163.610

■ 48, 17.133,
164.726

■ 49, 11.454,
165.738

Harmonies

Complementary

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



45, 47.316, 153.724



25, 49.076, 6.488

Rectangle

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



45, 47.316, 153.724



45, 47.316, 203.724



45, 47.316, 333.724



45, 47.316, 23.724

Sweetspot

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



45, 47.316, 153.724



62, 21.526, 164.618



45, 64.353, 129.507



32, 14.745, 164.239



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 47.316, 153.724



58, 58.328, 153.055



44, 26.835, 207.276



25, 3.272, 166.739



46, 48.051, 153.628



88, 82.963, 152.306

Inverse Universe

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



25, 49.076, 6.488



34, 59.777, 7.905



25, 58.143, 39.365



24, 3.324, 348.150



26, 49.771, 6.683



54, 83.910, 9.548

Previews

White Background



This preview shows how the CIELCh color 45, 47.316, 153.724 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, 47.316, 153.724 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, 47.316, 153.724

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.316, 153.724.



This preview shows how white text looks on a background with the CIELCh color 45, 47.316, 153.724.

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, 47.376, 153.778

Protanopia
45, 25.650, 95.980

Deuteranopia
45, 19.692, 73.542



Tritanopia
45, 22.235, 212.938

Trichromacy



Original Color
45, 47.376, 153.778

Protanomaly
43, 32.086, 136.820

Deuteranomaly
43, 25.460, 137.413

Tritanomaly
45, 28.481, 181.601

Monochromacy



Original Color
45, 47.376, 153.778

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 21.812, 162.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.316, 153.724 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, 123, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 70)  
}
```

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, 123, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.316, 153.724 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, 123, 70) }
```

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

```
.border{ border-color:rgb(0, 123, 70) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.316, 153.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 70) }
```

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

```
.background{ background-color: rgb(0, 123,  
70) }
```

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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