

Converting Colors

CIELCh(39, 116.237, 173.627)

Have a look what the booklet for
CIELCh(39, 116.237, 173.627)
contains.

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Color

CIELCh(44, 47.153, 153.407)

Conversions

Conversions Part 1

Format	Color
Hex	007843
RGB	0, 120, 67
RGB Percent	0%, 47%, 26%
CMY	1.0000, 0.5292, 0.7367
CMYK	1.00, 0.00, 0.44, 0.53
HSL	154°, 100%, 24%
HSV	154°, 100%, 47%
XYZ	7.7115, 13.8382, 7.5981
YIQ	78.0780, -54.5070, -41.9230

Conversions

Conversions Part 2

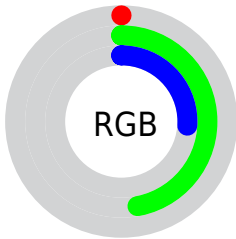
Format	Color
RYB	0, 77, 120
Decimal	30787
CIELab	44.00, -42.16, 21.11
CIELCh	44, 47.153, 153.407
Yxy	13.8382, 0.2646, 0.4748
Android (android.graphics.Color)	4278220867 (0xFF007843)
YUV	78.0780, -5.4615, -68.4744
Hunter-Lab	37.1997, -28.0966, 13.9297

Details

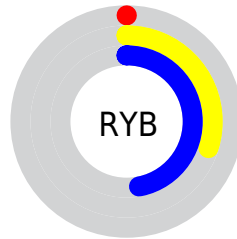
The CIELCh color **44, 47.153, 153.407** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.371, 5.726**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 46.718, 153.417**, and **25, 39.113, 144.082** is the 20% darker color. If you saturate the color by 10%, you get **44, 47.008, 153.274**, and if you desaturate by 10%, it is **44, 43.998, 155.244**.

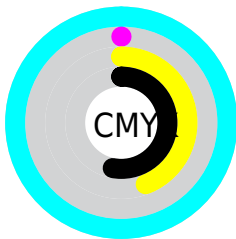
Distribution



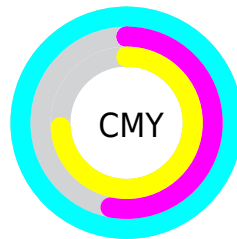
- Red (0%)
- Green (47%)
- Blue (26%)



- Red (0%)
- Yellow (30%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (74%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 47.153, 153.407 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, 47.153, 153.407 by changing the saturation by 10% instead.


 44, 47.153,
153.407


 44, 47.153,
153.407


 100, 47.153,
153.407


 34, 47.153,
153.407

 64, 47.153,
153.407


 24, 47.153,
153.407

 74, 47.153,
153.407

 14, 47.153,
153.407

 84, 47.153,
153.407

 4, 47.153, 153.407

 94, 47.153,
153.407

 0, 47.153, 153.407

 44, 47.153,

 44, 47.153,

153.407

153.407

■ 44, 47.008,
153.274

■ 44, 43.998,
155.244

■ 45, 40.661,
157.191

■ 45, 36.804,
158.942

■ 45, 32.451,
160.505

■ 46, 27.658,
161.896

■ 47, 22.505,
163.137

■ 47, 17.079,
164.251

■ 48, 11.467,
165.260

Harmonies

Complementary

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



44, 47.153, 153.407



24, 48.371, 5.726

Rectangle

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



44, 47.153, 153.407



44, 47.153, 203.407



44, 47.153, 333.407



44, 47.153, 23.407

Sweetspot

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



44, 47.008, 153.274



60, 21.098, 164.173



45, 63.092, 128.997



31, 14.454, 163.803



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, 47.008, 153.274



56, 57.391, 152.663



43, 26.921, 204.357



25, 3.290, 166.278



46, 48.471, 153.170



88, 83.708, 151.848

Inverse Universe

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



24, 48.371, 5.726



33, 58.361, 7.003



24, 57.383, 38.896



24, 3.340, 347.682



26, 49.775, 5.941



54, 83.851, 8.763

Previews

White Background



This preview shows how the CIELCh color 44, 47.153, 153.407 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, 47.153, 153.407 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, 47.153, 153.407

Background



This preview shows how black text looks on a background with the CIELCh color 44, 47.153, 153.407.



This preview shows how white text looks on a background with the CIELCh color 44, 47.153, 153.407.

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, 47.041, 153.219

Protanopia

44, 25.722, 95.897

Deuteranopia

44, 20.098, 72.350



Tritanopia
44, 21.772, 211.676

Trichromacy



Original Color
44, 47.041, 153.219

Protanomaly
43, 31.963, 136.204

Deuteranomaly
42, 25.152, 135.839

Tritanomaly
44, 28.378, 180.215

Monochromacy



Original Color
44, 47.041, 153.219

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 20.942, 162.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 47.153, 153.407 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, 120, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 67)  
}
```

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, 120, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 47.153, 153.407 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, 120, 67) }
```

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

```
.border{ border-color:rgb(0, 120, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 47.153, 153.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 67) }
```

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

```
.background{ background-color: rgb(0, 120,  
67) }
```

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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