

Converting Colors

CIELCh(44, 51.381, 147.342)

Have a look what the booklet for
CIELCh(44, 51.381, 147.342)
contains.

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Color

CIELCh(44, 51.349, 147.286)

Conversions

Conversions Part 1

Format	Color
Hex	0D7837
RGB	13, 120, 55
RGB Percent	5%, 47%, 22%
CMY	0.9475, 0.5288, 0.7837
CMYK	0.89, 0.00, 0.54, 0.53
HSL	143°, 80%, 26%
HSV	143°, 89%, 47%
XYZ	7.6009, 13.8382, 5.9034
YIQ	80.5970, -42.9070, -42.8990

Conversions

Conversions Part 2

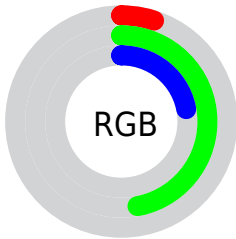
Format	Color
RYB	13, 90, 120
Decimal	882743
CIELab	44.00, -43.20, 27.75
CIELCh	44, 51.349, 147.286
Yxy	13.8382, 0.2780, 0.5061
Android (android.graphics.Color)	4279072823 (0xFF0D7837)
YUV	80.5970, -12.6193, -59.2826
Hunter-Lab	37.1997, -28.6271, 16.6308

Details

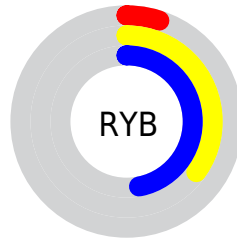
The CIELCh color **44, 51.349, 147.286** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 49.011, 348.427**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 51.360, 147.249**, and **25, 44.306, 138.659** is the 20% darker color. If you saturate the color by 10%, you get **44, 55.090, 145.392**, and if you desaturate by 10%, it is **44, 47.131, 149.157**.

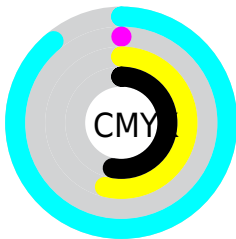
Distribution



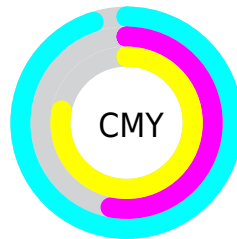
- Red (5%)
- Green (47%)
- Blue (22%)



- Red (5%)
- Yellow (35%)
- Blue (47%)



- Cyan (89%)
- Magenta (0%)
- Yellow (54%)
- Black (53%)



- Cyan (95%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 51.349, 147.286 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, 51.349, 147.286 by changing the saturation by 10% instead.


 44, 51.349,
147.286


 44, 51.349,
147.286


 100, 51.349,
147.286

 34, 51.349,
147.286

 64, 51.349,
147.286


 24, 51.349,
147.286

 74, 51.349,
147.286

 14, 51.349,
147.286

 84, 51.349,
147.286

 4, 51.349, 147.286

 94, 51.349,
147.286

 0, 51.349, 147.286

 44, 51.349,

 44, 51.349,

147.286

■ 44, 55.090,
145.392

■ 44, 55.502,
145.198

147.286

■ 44, 47.131,
149.157

■ 45, 42.328,
150.849

■ 45, 36.997,
152.356

■ 46, 31.224,
153.685

■ 47, 25.112,
154.855

■ 47, 18.767,
155.885

■ 48, 12.289,
156.798

■ 49, 5.763, 157.625

Harmonies

Complementary

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



44, 51.349, 147.286



26, 49.011, 348.427

Rectangle

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



44, 51.349, 147.286



44, 51.349, 197.286



44, 51.349, 327.286



44, 51.349, 17.286

Sweetspot

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



44, 51.349, 147.286



61, 21.691, 156.001



46, 56.463, 122.357



31, 14.714, 155.740



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, 51.349, 147.286



56, 67.783, 144.620



45, 30.681, 181.986



25, 3.716, 157.608



45, 57.200, 145.101



87, 98.972, 143.856

Inverse Universe

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



26, 49.011, 348.427



34, 60.800, 351.706



25, 49.889, 28.481



24, 3.744, 338.828



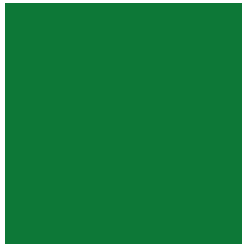
26, 52.045, 351.061



55, 86.778, 352.786

Previews

White Background



This preview shows how the CIELCh color 44, 51.349, 147.286 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, 51.349, 147.286 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, 51.349, 147.286

Background



This preview shows how black text looks on a background with the CIELCh color 44, 51.349, 147.286.



This preview shows how white text looks on a background with the CIELCh color 44, 51.349, 147.286.

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, 51.349, 147.286

Protanopia

44, 31.785, 95.979

Deuteranopia

44, 26.270, 77.362



Tritanopia
44, 20.956, 212.344

Trichromacy



Original Color
44, 51.349, 147.286



Protanomaly
43, 36.424, 128.561



Deuteranomaly
42, 29.791, 125.576



Tritanomaly
44, 28.992, 174.256

Monochromacy



Original Color
44, 51.349, 147.286



Achromatopsia
34, 0.005, 296.813



Achromatomaly
37, 21.505, 155.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 51.349, 147.286 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(13, 120, 55)` looks like.

```
.text, #text, p{  
    color:rgb(13, 120, 55)  
}
```

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(13, 120, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 120, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 51.349, 147.286 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(13, 120, 55) }
```

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

```
.border{ border-color:rgb(13, 120, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 120, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 120, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 120, 55);  
box-shadow:4px 4px 4px 4px rgb(13, 120,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 51.349, 147.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 120, 55) }
```

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

```
.background{ background-color: rgb(13, 120,  
55) }
```

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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