

Converting Colors

CIELCh(44, 48.330, 148.020)

Have a look what the booklet for
CIELCh(44, 48.330, 148.020)
contains.

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Color

CIELCh(44, 48.682, 147.870)

Conversions

Conversions Part 1

Format	Color
Hex	17783B
RGB	23, 120, 59
RGB Percent	9%, 47%, 23%
CMY	0.9083, 0.5309, 0.7700
CMYK	0.80, 0.00, 0.51, 0.53
HSL	142°, 67%, 28%
HSV	142°, 80%, 47%
XYZ	7.8122, 13.8382, 6.3494
YIQ	84.0430, -38.2310, -39.5350

Conversions

Conversions Part 2

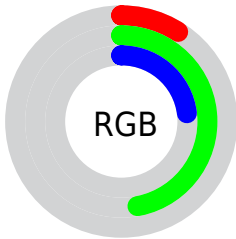
Format	Color
R_{YB}	23, 94, 120
Decimal	1538107
CIE _{Lab}	44.00, -41.23, 25.89
CIE _{LCh}	44, 48.682, 147.870
Yxy	13.8382, 0.2790, 0.4942
Android (android.graphics.Color)	4279728187 (0xFF17783B)
YUV	84.0430, -12.3462, -53.5347
Hunter-Lab	37.1997, -27.6132, 15.9199

Details

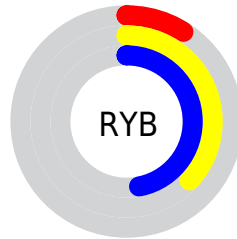
The CIELCh color **44, 48.682, 147.870** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **27, 47.505, 345.163**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 48.916, 147.940**, and **25, 42.294, 140.639** is the 20% darker color. If you saturate the color by 10%, you get **44, 52.883, 145.999**, and if you desaturate by 10%, it is **44, 43.874, 149.573**.

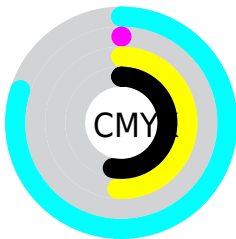
Distribution



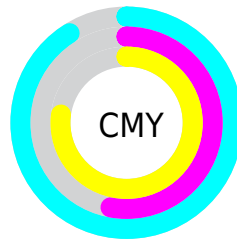
- Red (9%)
- Green (47%)
- Blue (23%)



- Red (9%)
- Yellow (37%)
- Blue (47%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)




- Cyan (91%)
- Magenta (53%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 48.682, 147.870 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, 48.682, 147.870 by changing the saturation by 10% instead.

 44, 48.682,
147.870


 44, 48.682,
147.870


 100, 48.682,
147.870

 34, 48.682,
147.870

 64, 48.682,
147.870

 24, 48.682,
147.870

 74, 48.682,
147.870

 14, 48.682,
147.870

 84, 48.682,
147.870

 4, 48.682, 147.870

 94, 48.682,
147.870

 0, 48.682, 147.870

 44, 48.682,

 44, 48.682,

147.870

147.870

■ 44, 52.883,
145.999

■ 44, 43.874,
149.573

■ 44, 56.474,
144.258

■ 45, 38.515,
151.095

■ 45, 32.694,
152.439

■ 46, 26.515,
153.620

■ 47, 20.089,
154.658

■ 48, 13.518,
155.574

■ 49, 6.894, 156.395

■ 50, 0.290, 157.926

Harmonies

Complementary

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



44, 48.682, 147.870



27, 47.505, 345.163

Rectangle

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



44, 48.682, 147.870



44, 48.682, 197.870



44, 48.682, 327.870



44, 48.682, 17.870

Sweetspot

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



44, 48.682, 147.870



61, 19.667, 155.207



46, 52.518, 120.627



31, 13.607, 154.938



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, 48.682, 147.870



56, 67.927, 144.240



45, 30.202, 179.465



24, 3.652, 156.508



45, 57.486, 144.202



87, 100.237, 142.945

Inverse Universe

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



27, 47.505, 345.163



34, 61.242, 348.984



26, 44.843, 22.447



23, 3.676, 337.690



26, 51.939, 349.037



55, 87.157, 350.641

Previews

White Background



This preview shows how the CIELCh color 44, 48.682, 147.870 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, 48.682, 147.870 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, 48.682, 147.870

Background



This preview shows how black text looks on a background with the CIELCh color 44, 48.682, 147.870.



This preview shows how white text looks on a background with the CIELCh color 44, 48.682, 147.870.

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, 48.788, 147.983

Protanopia

44, 30.100, 96.655

Deuteranopia

44, 24.460, 76.737



Tritanopia
44, 20.542, 212.695

Trichromacy



Original Color
44, 48.788, 147.983

Protanomaly
43, 34.414, 127.830

Deuteranomaly
42, 27.106, 123.873

Tritanomaly
44, 27.239, 175.632

Monochromacy



Original Color
44, 48.788, 147.983

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 19.907, 154.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 48.682, 147.870 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(23, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(23, 120, 59)  
}
```

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(23, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 120, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 48.682, 147.870 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(23, 120, 59) }
```

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

```
.border{ border-color:rgb(23, 120, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 120, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(23, 120,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 48.682, 147.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 120, 59) }
```

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

```
.background{ background-color: rgb(23, 120,  
59) }
```

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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