

Converting Colors

CIELCh(48, 11.797, 140.511)

Have a look what the booklet for
CIELCh(48, 11.797, 140.511)
contains.

CIELCh(48, 11.797, 140.511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 11.797, 140.511)

Conversions

Conversions Part 1

Format	Color
Hex	677665
RGB	103, 118, 101
RGB Percent	40%, 46%, 40%
CMY	0.5959, 0.5371, 0.6037
CMYK	0.13, 0.00, 0.14, 0.54
HSL	113°, 8%, 43%
HSV	113°, 14%, 46%
XYZ	14.4338, 16.7945, 14.8044
YIQ	111.5770, -3.4830, -8.4670

Conversions

Conversions Part 2

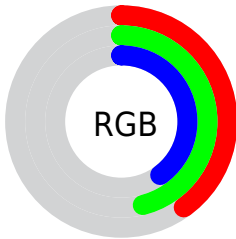
Format	Color
R_{YB}	101, 118, 116
Decimal	6780517
CIE Lab	48.00, -9.10, 7.50
CIE LCh	48, 11.797, 140.511
Yxy	16.7945, 0.3136, 0.3648
Android (android.graphics.Color)	4284970597 (0xFF677665)
YUV	111.5770, -5.2145, -7.5220
Hunter-Lab	40.9810, -8.8481, 7.2682

Details

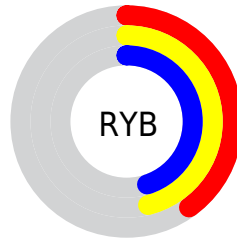
The CIELCh color $48, 11.797, 140.511$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 11.849, 321.856$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 11.692, 140.883$, and $28, 12.152, 139.909$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.043, 139.917$, and if you desaturate by 10%, it is $49, 3.583, 141.055$.

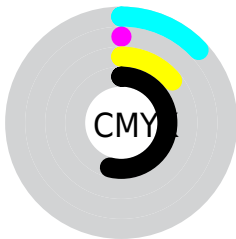
Distribution



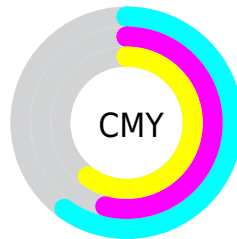
- Red (40%)
- Green (46%)
- Blue (40%)



- Red (40%)
- Yellow (46%)
- Blue (45%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)





- Cyan (60%)
- Magenta (54%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 11.797, 140.511 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 48, 11.797, 140.511 by changing the saturation by 10% instead.


 48, 11.797,
140.511


 48, 11.797,
140.511


 100, 11.797,
140.511


 38, 11.797,
140.511

 68, 11.797,
140.511


 28, 11.797,
140.511

 78, 11.797,
140.511

 18, 11.797,
140.511

 88, 11.797,
140.511

 8, 11.797, 140.511

 98, 11.797,
140.511

 0, 11.797, 140.511

 48, 11.797,

 48, 11.797,

140.511

■ 47, 20.043,
139.917

■ 46, 28.217,
139.249

■ 45, 36.188,
138.511

■ 45, 43.783,
137.725

■ 44, 50.779,
136.937

■ 44, 56.896,
136.223

■ 43, 61.816,
135.693

■ 43, 65.315,
135.421

140.511

■ 49, 3.583, 141.055

■ 50, 4.532, 321.420

■ 52, 12.495,
321.823

■ 53, 20.274,
322.153

■ 55, 27.847,
322.434

■ 56, 35.206,
322.673

■ 58, 42.346,
322.876

■ 59, 49.271,
323.050

■ 43, 67.009,
135.159

■ 61, 55.985,
323.199

Harmonies

Complementary

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



48, 11.797, 140.511



45, 11.849, 321.856

Rectangle

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



48, 11.797, 140.511



48, 11.797, 190.511



48, 11.797, 320.511



48, 11.797, 10.511

Sweetspot

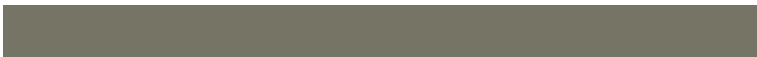
The Sweet Spot groups the original color and five complimentary colors.



48, 11.798, 140.512



63, 4.024, 141.073



49, 8.670, 102.645



32, 2.844, 141.037



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 11.798, 140.512



61, 17.241, 140.340



48, 9.411, 156.089



24, 4.573, 140.805



44, 68.796, 135.188



86, 117.201, 135.546

Inverse Universe

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



45, 11.849, 321.856



56, 17.324, 321.996



45, 9.497, 338.105



23, 4.590, 321.603



26, 67.673, 323.846



54, 114.807, 323.611

Previews

White Background



This preview shows how the CIELCh color 48, 11.797, 140.511 looks on a white background.

Color Contrast Check

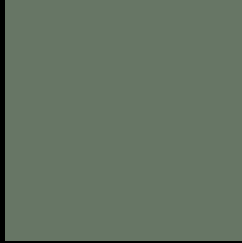
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 11.797, 140.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

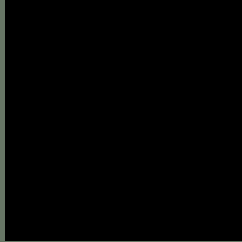
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 11.797, 140.511

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.797, 140.511.

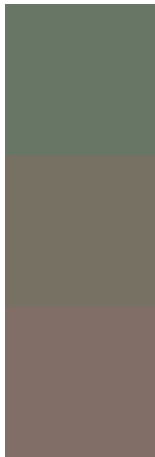


This preview shows how white text looks on a background with the CIELCh color 48, 11.797, 140.511.

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
48, 11.797, 140.511

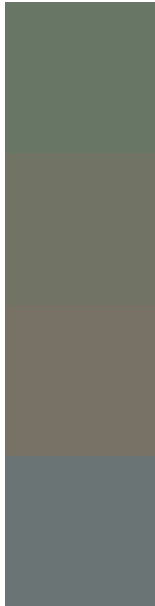
Protanopia
48, 8.608, 91.708

Deuteranopia
48, 9.139, 46.792



Tritanopia
48, 6.072, 260.368

Trichromacy



Original Color
48, 11.797, 140.511

Protanomaly
48, 8.839, 114.463

Deuteranomaly
48, 7.105, 84.575

Tritanomaly
48, 3.959, 199.051

Monochromacy



Original Color
48, 11.797, 140.511

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.102, 139.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.797, 140.511 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(103, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 118, 101)  
}
```

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(103, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 118, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.797, 140.511 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(103, 118, 101) }
```

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

```
.border{ border-color:rgb(103, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 118,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.797, 140.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 118, 101) }
```

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

```
.background{ background-color: rgb(103,  
118, 101) }
```

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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