

Converting Colors

CIELCh(48, 9.828, 144.884)

Have a look what the booklet for
CIELCh(48, 9.828, 144.884) contains.

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Color

CIELCh(48, 10.080, 143.783)

Conversions

Conversions Part 1

Format	Color
Hex	687668
RGB	104, 118, 104
RGB Percent	41%, 46%, 41%
CMY	0.5934, 0.5386, 0.5934
CMYK	0.12, 0.00, 0.12, 0.54
HSL	120°, 6%, 43%
HSV	120°, 12%, 46%
XYZ	14.5921, 16.7945, 15.4823
YIQ	112.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

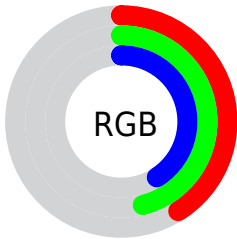
Format	Color
R_YB	104, 118, 118
Decimal	6846056
CIE Lab	48.00, -8.13, 5.96
CIE LCh	48, 10.080, 143.783
Yxy	16.7945, 0.3113, 0.3583
Android (android.graphics.Color)	4285036136 (0xFF687668)
YUV	112.2180, -4.0515, -7.2072
Hunter-Lab	40.9810, -8.1584, 6.2874

Details

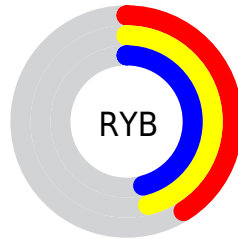
The CIELCh color $48, 10.080, 143.783$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 10.094, 325.046$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 10.088, 143.956$, and $28, 10.271, 143.423$ is the 20% darker color. If you saturate the color by 10%, you get $47, 18.625, 143.100$, and if you desaturate by 10%, it is $49, 1.589, 144.454$.

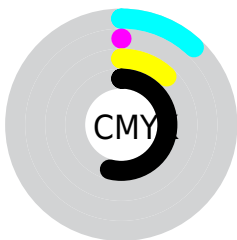
Distribution



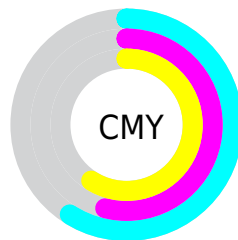
- Red (41%)
- Green (46%)
- Blue (41%)



- Red (41%)
- Yellow (46%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)




- Cyan (59%)
- Magenta (54%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.080, 143.783 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, 10.080, 143.783 by changing the saturation by 10% instead.


 48, 10.080,
143.783


 48, 10.080,
143.783


 100, 10.080,
143.783


 38, 10.080,
143.783

 68, 10.080,
143.783


 28, 10.080,
143.783

 78, 10.080,
143.783

 18, 10.080,
143.783


 88, 10.080,
143.783

 8, 10.080, 143.783

 98, 10.080,
143.783

 0, 10.080, 143.783

 48, 10.080,

 48, 10.080,

143.783

143.783

■ 47, 18.625,
143.100

■ 49, 1.589, 144.454

■ 46, 27.107,
142.313

■ 51, 6.769, 324.810

■ 45, 35.375,
141.416

■ 52, 14.936,
325.243

■ 44, 43.237,
140.416

■ 54, 22.878,
325.604

■ 44, 50.453,
139.344

■ 55, 30.576,
325.911

■ 43, 56.742,
138.267

■ 57, 38.021,
326.173

■ 43, 61.791,
137.289

■ 59, 45.214,
326.398

■ 43, 65.315,
136.541

■ 61, 52.161,
326.592

■ 43, 67.637,
136.017

■ 63, 58.873,
326.759

Harmonies

Complementary

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



48, 10.080, 143.783



46, 10.094, 325.046

Rectangle

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



48, 10.080, 143.783



48, 10.080, 193.783



48, 10.080, 323.783



48, 10.080, 13.783

Sweetspot

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



48, 10.081, 143.783



63, 4.178, 144.275



49, 8.169, 109.084



32, 2.954, 144.233



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, 10.081, 143.783



61, 14.733, 143.624



48, 7.018, 162.734



24, 4.750, 143.964



44, 69.575, 136.017



86, 117.957, 136.016

Inverse Universe

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



46, 10.094, 325.046



58, 14.749, 325.178



45, 7.122, 344.568



23, 4.757, 324.891



28, 67.127, 328.235



59, 113.805, 328.235

Previews

White Background



This preview shows how the CIELCh color 48, 10.080, 143.783 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, 10.080, 143.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

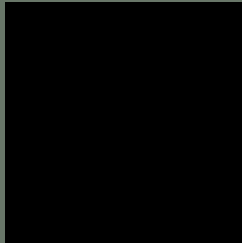
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

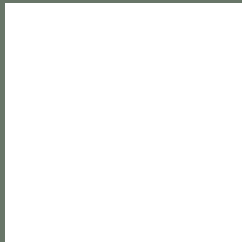
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 10.080, 143.783

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.080, 143.783.

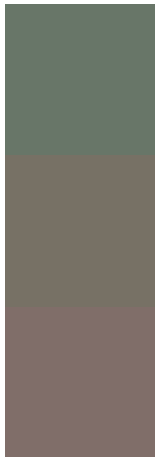


This preview shows how white text looks on a background with the CIELCh color 48, 10.080, 143.783.

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, 10.080, 143.783

Protanopia

48, 7.490, 89.300

Deuteranopia

48, 8.206, 41.058



Tritanopia
48, 6.072, 260.368

Trichromacy



Original Color
48, 10.080, 143.783

Protanomaly
48, 7.676, 115.419

Deuteranomaly
48, 5.323, 81.278

Tritanomaly
48, 3.977, 207.601

Monochromacy



Original Color
48, 10.080, 143.783

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 3.601, 144.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.080, 143.783 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(104, 118, 104)` looks like.

```
.text, #text, p{  
    color:rgb(104, 118, 104)  
}
```

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(104, 118, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 118, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.080, 143.783 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(104, 118, 104) }
```

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

```
.border{ border-color:rgb(104, 118, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 118, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 118, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 118, 104);  
box-shadow:4px 4px 4px 4px rgb(104, 118,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.080, 143.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 118, 104) }
```

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

```
.background{ background-color: rgb(104,  
118, 104) }
```

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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