

Converting Colors

CIELCh(48, 12.636, 198.054)

Have a look what the booklet for
CIELCh(48, 12.636, 198.054)
contains.

CIELCh(48, 12.628, 198.059)	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, 12.628, 198.059)

Conversions

Conversions Part 1

Format	Color
Hex	567878
RGB	86, 120, 120
RGB Percent	34%, 47%, 47%
CMY	0.6624, 0.5291, 0.5291
CMYK	0.28, 0.00, 0.00, 0.53
HSL	180°, 16%, 40%
HSV	180°, 28%, 47%
XYZ	13.9679, 16.7945, 20.3024
YIQ	109.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

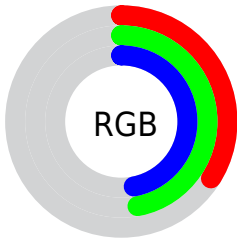
Format	Color
R_{YB}	86, 103, 120
Decimal	5666936
CIE _{Lab}	48.00, -12.01, -3.91
CIE _{LCh}	48, 12.628, 198.059
Yxy	16.7945, 0.2735, 0.3289
Android (android.graphics.Color)	4283857016 (0xFF567878)
YUV	109.8340, 5.0118, -20.9024
Hunter-Lab	40.9810, -10.8774, -0.6861

Details

The CIELCh color **48, 12.628, 198.059** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 15.159, 21.556**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.472, 198.394**, and **28, 12.542, 200.488** is the 20% darker color. If you saturate the color by 10%, you get **47, 16.440, 197.645**, and if you desaturate by 10%, it is **49, 8.435, 198.520**.

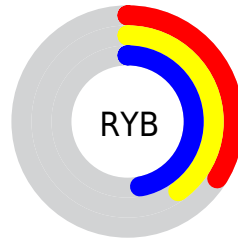
Distribution



Red (34%)

Green (47%)

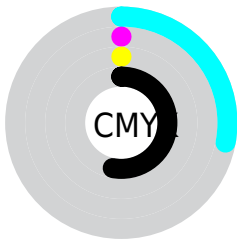
Blue (47%)



Red (34%)

Yellow (40%)

Blue (47%)

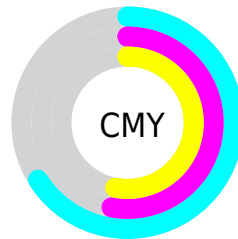


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.628, 198.059 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, 12.628, 198.059 by changing the saturation by 10% instead.


 48, 12.628,
198.059


 48, 12.628,
198.059


 100, 12.628,
198.059


 38, 12.628,
198.059

 68, 12.628,
198.059


 28, 12.628,
198.059

 78, 12.628,
198.059

 18, 12.628,
198.059


 88, 12.628,
198.059

 8, 12.628, 198.059

 98, 12.628,
198.059

 0, 12.628, 198.059

 48, 12.628,

 48, 12.628,

198.059

■ 47, 16.440,
197.645

■ 47, 19.802,
197.290

■ 46, 22.653,
196.994

■ 46, 24.952,
196.759

■ 46, 26.677,
196.584

■ 46, 27.840,
196.467

■ 45, 28.593,
196.391

■ 45, 28.716,
196.379

198.059

■ 49, 8.435, 198.520

■ 50, 3.931, 199.063

■ 51, 0.815, 19.026

■ 52, 5.741, 19.978

■ 53, 10.792, 20.582

■ 54, 15.924, 21.181

■ 55, 21.098, 21.782

■ 57, 26.285, 22.385

■ 58, 31.462, 22.985

Harmonies

Complementary

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



48, 12.628, 198.059



40, 15.159, 21.556

Rectangle

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



48, 12.628, 198.059



48, 12.628, 248.059



48, 12.628, 18.059



48, 12.628, 68.059

Sweetspot

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



48, 12.628, 198.055



63, 4.676, 199.071



47, 24.363, 142.203



33, 3.339, 198.992



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 12.628, 198.055



61, 18.289, 197.781



43, 11.624, 257.678



25, 2.700, 199.016



47, 29.546, 196.379



90, 49.737, 196.378

Inverse Universe

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



40, 15.159, 21.556



49, 23.020, 22.320



45, 12.613, 70.304



24, 2.851, 19.865



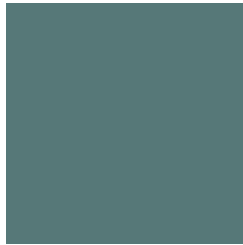
25, 60.074, 38.172



53, 103.780, 39.999

Previews

White Background



This preview shows how the CIELCh color 48, 12.628, 198.059 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 48, 12.628, 198.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

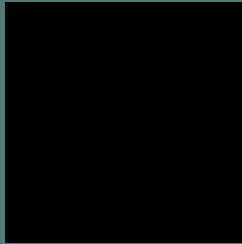
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.628, 198.059

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.628, 198.059.



This preview shows how white text looks on a background with the CIELCh color 48, 12.628, 198.059.

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, 12.628, 198.059

Protanopia
48, 1.959, 314.712

Deuteranopia
48, 8.374, 322.626



Tritanopia
48, 12.232, 224.221

Trichromacy



Original Color
48, 12.628, 198.059

Protanomaly
48, 4.738, 206.128

Deuteranomaly
48, 4.706, 260.888

Tritanomaly
48, 12.089, 215.377

Monochromacy



Original Color
48, 12.628, 198.059

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.128, 198.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.628, 198.059 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(86, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(86, 120, 120)  
}
```

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(86, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 120, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.628, 198.059 is called "border". The border property can be set on classes, ids or directly on the HTML element.

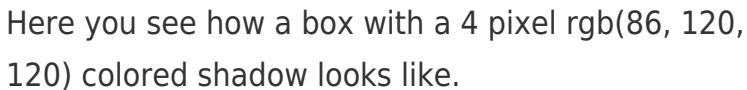
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 120, 120) }
```

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

```
.border{ border-color:rgb(86, 120, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 120, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 120, 120); box-shadow:4px 4px 4px 4px rgb(86, 120, 120) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.628, 198.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 120, 120) }
```

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

```
.background{ background-color: rgb(86, 120,  
120) }
```

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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