

Converting Colors

CIELCh(48, 12.784, 203.359)

Have a look what the booklet for
CIELCh(48, 12.784, 203.359)
contains.

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Color

CIELCh(48, 12.874, 203.352)

Conversions

Conversions Part 1

Format	Color
Hex	55787A
RGB	85, 120, 122
RGB Percent	33%, 47%, 48%
CMY	0.6663, 0.5291, 0.5212
CMYK	0.30, 0.02, 0.00, 0.52
HSL	183°, 18%, 41%
HSV	183°, 30%, 48%
XYZ	13.9975, 16.7945, 20.9424
YIQ	109.7630, -21.5020, -6.7980

Conversions

Conversions Part 2

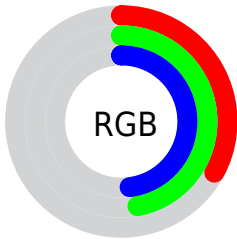
Format	Color
R _Y B	85, 103, 122
Decimal	5601402
CIE Lab	48.00, -11.82, -5.10
CIE LCh	48, 12.874, 203.352
Yxy	16.7945, 0.2706, 0.3246
Android (android.graphics.Color)	4283791482 (0xFF55787A)
YUV	109.7630, 6.0328, -21.7172
Hunter-Lab	40.9810, -10.7483, -1.6121

Details

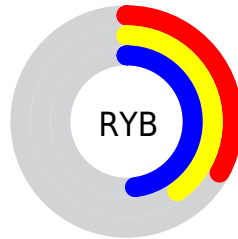
The CIELCh color **48, 12.874, 203.352** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 15.769, 25.919**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.751, 203.374**, and **28, 12.780, 203.365** is the 20% darker color. If you saturate the color by 10%, you get **47, 16.438, 203.217**, and if you desaturate by 10%, it is **49, 8.925, 203.571**.

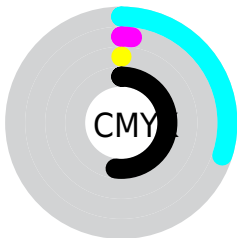
Distribution



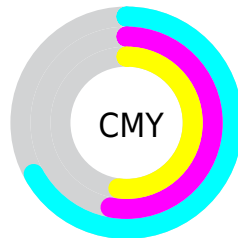
- Red (33%)
- Green (47%)
- Blue (48%)



- Red (33%)
- Yellow (40%)
- Blue (48%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)




- Cyan (67%)
- Magenta (53%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.874, 203.352 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, 12.874, 203.352 by changing the saturation by 10% instead.


 48, 12.874,
203.352


 48, 12.874,
203.352


 100, 12.874,
203.352


 38, 12.874,
203.352

 68, 12.874,
203.352


 28, 12.874,
203.352

 78, 12.874,
203.352

 18, 12.874,
203.352


 88, 12.874,
203.352

 8, 12.874, 203.352

 98, 12.874,
203.352

 0, 12.874, 203.352

 48, 12.874,

 48, 12.874,

203.352

■ 47, 16.438,
203.217

■ 46, 19.548,
203.191

■ 46, 22.146,
203.285

■ 45, 24.189,
203.514

■ 45, 25.657,
203.895

■ 44, 26.562,
204.440

■ 44, 27.118,
205.063

203.352

■ 49, 8.925, 203.571

■ 50, 4.659, 203.891

■ 51, 0.142, 206.865

■ 52, 4.565, 24.444

■ 54, 9.412, 24.905

■ 55, 14.354, 25.362

■ 57, 19.354, 25.828

■ 58, 24.385, 26.302

■ 60, 29.424, 26.779

Harmonies

Complementary

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



48, 12.874, 203.352



41, 15.769, 25.919

Rectangle

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



48, 12.874, 203.352



48, 12.874, 253.352



48, 12.874, 23.352



48, 12.874, 73.352

Sweetspot

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



48, 12.874, 203.348



64, 5.040, 203.935



48, 25.677, 143.771



33, 3.472, 203.887



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, 12.874, 203.348



61, 18.412, 203.251



42, 13.483, 265.216



25, 2.559, 203.941



45, 27.571, 205.086



86, 46.260, 205.591

Inverse Universe

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



41, 25.614, 327.546



51, 37.452, 327.893



46, 14.250, 76.885



24, 4.752, 326.384



29, 65.397, 330.425



59, 109.844, 330.550

Previews

White Background



This preview shows how the CIELCh color 48, 12.874, 203.352 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, 12.874, 203.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

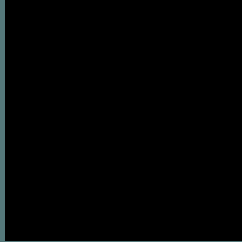
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

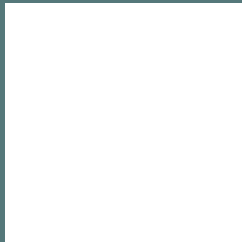
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.874, 203.352

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.874, 203.352.



This preview shows how white text looks on a background with the CIELCh color 48, 12.874, 203.352.

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, 12.874, 203.352

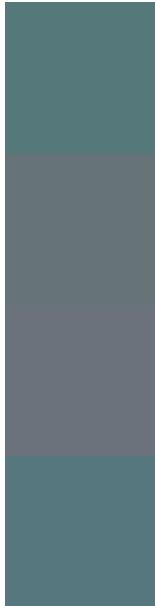
Protanopia
48, 2.987, 298.267

Deuteranopia
48, 9.213, 316.625



Tritanopia
48, 12.722, 226.130

Trichromacy



Original Color
48, 12.874, 203.352

Protanomaly
48, 5.320, 218.425

Deuteranomaly
48, 5.906, 263.611

Tritanomaly
48, 12.515, 217.624

Monochromacy



Original Color
48, 12.874, 203.352

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, 12.874, 203.352 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(85, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 122)  
}
```

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(85, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.874, 203.352 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(85, 120, 122) }
```

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

```
.border{ border-color:rgb(85, 120, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.874, 203.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 122) }
```

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

```
.background{ background-color: rgb(85, 120,  
122) }
```

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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