

Converting Colors

CIELCh(48, 23.362, 160.031)

Have a look what the booklet for
CIELCh(48, 23.362, 160.031)
contains.

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Color

CIELCh(48, 23.505, 160.053)

Conversions

Conversions Part 1

Format	Color
Hex	4C7C64
RGB	76, 124, 100
RGB Percent	30%, 49%, 39%
CMY	0.7029, 0.5147, 0.6088
CMYK	0.39, 0.00, 0.19, 0.51
HSL	150°, 24%, 39%
HSV	150°, 39%, 49%
XYZ	12.4261, 16.7945, 14.5824
YIQ	106.9120, -20.9040, -17.6400

Conversions

Conversions Part 2

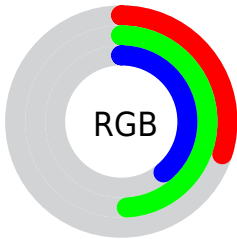
Format	Color
R_{YB}	76, 108, 124
Decimal	5012580
CIE _{Lab}	48.00, -22.09, 8.02
CIE _{LCh}	48, 23.505, 160.053
Yxy	16.7945, 0.2837, 0.3834
Android (android.graphics.Color)	4283202660 (0xFF4C7C64)
YUV	106.9120, -3.4076, -27.1098
Hunter-Lab	40.9810, -17.5928, 7.5894

Details

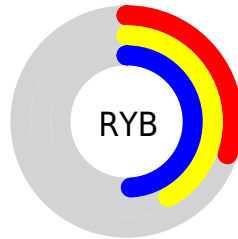
The CIELCh color **48, 23.505, 160.053** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 24.579, 347.282**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 23.510, 160.065**, and **28, 23.833, 159.487** is the 20% darker color. If you saturate the color by 10%, you get **47, 29.152, 158.835**, and if you desaturate by 10%, it is **49, 17.604, 161.137**.

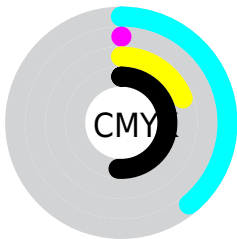
Distribution



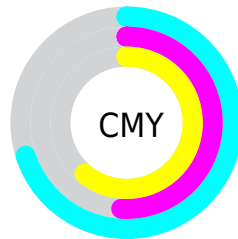
- Red (30%)
- Green (49%)
- Blue (39%)



- Red (30%)
- Yellow (42%)
- Blue (49%)



- Cyan (39%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)





- Cyan (70%)
- Magenta (51%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 23.505, 160.053 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, 23.505, 160.053 by changing the saturation by 10% instead.


 48, 23.505,
160.053


 48, 23.505,
160.053


 100, 23.505,
160.053


 38, 23.505,
160.053

 68, 23.505,
160.053


 28, 23.505,
160.053

 78, 23.505,
160.053

 18, 23.505,
160.053

 88, 23.505,
160.053

 8, 23.505, 160.053

 98, 23.505,
160.053

 0, 23.505, 160.053

 48, 23.505,

 48, 23.505,

160.053

160.053

■ 47, 29.152,
158.835

■ 49, 17.604,
161.137

■ 47, 34.447,
157.463

■ 50, 11.540,
162.112

■ 46, 39.301,
155.915

■ 51, 5.398, 163.011

■ 46, 43.643,
154.175

■ 52, 0.753, 343.369

■ 53, 6.855, 344.429

■ 45, 47.439,
152.240

■ 55, 12.867,
345.114

■ 45, 50.816,
150.237

■ 56, 18.758,
345.738

■ 45, 51.223,
150.010

■ 58, 24.507,
346.317

■ 59, 30.102,

Harmonies

Complementary

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



48, 23.505, 160.053



38, 24.579, 347.282

Rectangle

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



48, 23.505, 160.053



48, 23.505, 210.053



48, 23.505, 340.053



48, 23.505, 30.053

Sweetspot

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



48, 23.506, 160.052



64, 9.135, 162.700



49, 29.457, 127.329



34, 6.107, 162.610



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 23.506, 160.052



61, 34.810, 158.919



49, 17.013, 197.627



25, 3.431, 162.986



46, 51.605, 149.986



88, 89.239, 148.671

Inverse Universe

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



38, 24.579, 347.282



46, 36.669, 348.458



38, 22.077, 22.870



24, 3.472, 344.329



26, 50.112, 0.466



54, 83.987, 2.930

Previews

White Background



This preview shows how the CIELCh color 48, 23.505, 160.053 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, 23.505, 160.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

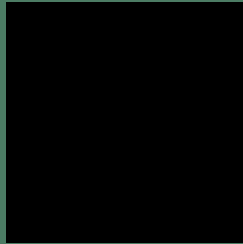
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 23.505, 160.053

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.505, 160.053.



This preview shows how white text looks on a background with the CIELCh color 48, 23.505, 160.053.

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, 23.505, 160.053

Protanopia
48, 11.556, 93.390

Deuteranopia
48, 8.878, 43.528



Tritanopia
48, 13.973, 220.619

Trichromacy



Original Color
48, 23.505, 160.053

Protanomaly
48, 13.504, 132.377

Deuteranomaly
47, 7.377, 125.634

Tritanomaly
48, 15.229, 191.045

Monochromacy



Original Color
48, 23.505, 160.053

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 8.774, 160.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.505, 160.053 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(76, 124, 100)` looks like.

```
.text, #text, p{  
    color:rgb(76, 124, 100)  
}
```

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(76, 124, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 124, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.505, 160.053 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(76, 124, 100) }
```

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

```
.border{ border-color:rgb(76, 124, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 124, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 124, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 124, 100);  
box-shadow:4px 4px 4px 4px rgb(76, 124,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.505, 160.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 124, 100) }
```

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

```
.background{ background-color: rgb(76, 124,  
100) }
```

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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