

Converting Colors

CIELCh(48, 18.173, 170.421)

Have a look what the booklet for
CIELCh(48, 18.173, 170.421)
contains.

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Color

CIELCh(48, 18.192, 170.393)

Conversions

Conversions Part 1

Format	Color
Hex	507A6C
RGB	80, 122, 108
RGB Percent	31%, 48%, 42%
CMY	0.6852, 0.5205, 0.5754
CMYK	0.34, 0.00, 0.11, 0.52
HSL	160°, 21%, 40%
HSV	160°, 34%, 48%
XYZ	13.0470, 16.7945, 16.8181
YIQ	107.8460, -20.5380, -13.2580

Conversions

Conversions Part 2

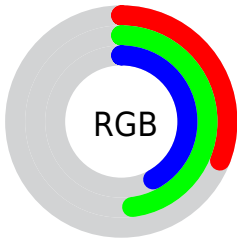
Format	Color
R_{YB}	80, 105, 122
Decimal	5274220
CIE _{Lab}	48.00, -17.94, 3.04
CIE _{LCh}	48, 18.192, 170.393
Yxy	16.7945, 0.2796, 0.3599
Android (android.graphics.Color)	4283464300 (0xFF507A6C)
YUV	107.8460, 0.0759, -24.4209
Hunter-Lab	40.9810, -14.8885, 4.3549

Details

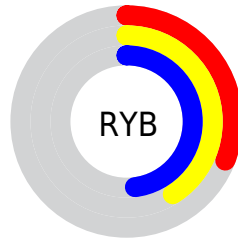
The CIELCh color **48, 18.192, 170.393** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 19.824, 357.342**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 18.459, 169.325**, and **28, 18.038, 171.042** is the 20% darker color. If you saturate the color by 10%, you get **47, 23.038, 169.229**, and if you desaturate by 10%, it is **49, 13.080, 171.456**.

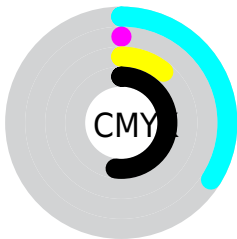
Distribution



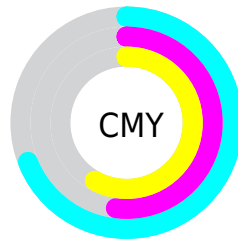
- Red (31%)
- Green (48%)
- Blue (42%)



- Red (31%)
- Yellow (41%)
- Blue (48%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)





- Cyan (69%)
- Magenta (52%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 18.192, 170.393 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, 18.192, 170.393 by changing the saturation by 10% instead.


 48, 18.192,
170.393


 48, 18.192,
170.393


 100, 18.192,
170.393


 38, 18.192,
170.393

 68, 18.192,
170.393


 28, 18.192,
170.393

 78, 18.192,
170.393

 18, 18.192,
170.393


 88, 18.192,
170.393

 8, 18.192, 170.393

 98, 18.192,
170.393

 0, 18.192, 170.393

 48, 18.192,

 48, 18.192,

170.393

170.393

■ 47, 23.038,
169.229

■ 49, 13.080,
171.456

■ 47, 27.531,
167.946

■ 50, 7.782, 172.446

■ 46, 31.595,
166.523

■ 51, 2.371, 173.444

■ 52, 3.088, 354.045

■ 46, 35.169,
164.935

■ 53, 8.544, 354.906

■ 45, 38.219,
163.166

■ 55, 13.958,
355.672

■ 45, 40.768,
161.222

■ 56, 19.298,
356.392

■ 45, 42.142,
160.163

■ 57, 24.543,
357.077

■ 59, 29.679,
357.730

Harmonies

Complementary

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



48, 18.192, 170.393



39, 19.824, 357.342

Rectangle

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



48, 18.192, 170.393



48, 18.192, 220.393



48, 18.192, 350.393



48, 18.192, 40.393

Sweetspot

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



48, 18.193, 170.391



64, 6.706, 172.842



48, 27.002, 132.592



33, 4.547, 172.734



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, 18.193, 170.391



60, 26.411, 169.515



46, 13.289, 214.546



25, 3.065, 172.955



46, 42.838, 160.109



88, 73.671, 158.831

Inverse Universe

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



39, 19.824, 357.342



47, 29.345, 358.459



40, 16.828, 34.492



24, 3.135, 354.432



25, 50.559, 15.976



53, 86.215, 19.226

Previews

White Background



This preview shows how the CIELCh color 48, 18.192, 170.393 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, 18.192, 170.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

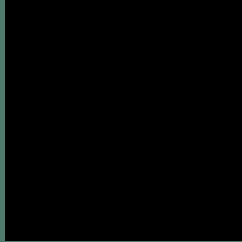
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 18.192, 170.393

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.192, 170.393.

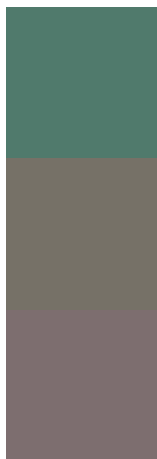


This preview shows how white text looks on a background with the CIELCh color 48, 18.192, 170.393.

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, 18.192, 170.393

Protanopia

48, 6.235, 89.591

Deuteranopia

48, 6.258, 14.733



Tritanopia
48, 13.292, 224.794

Trichromacy



Original Color
48, 18.192, 170.393

Protanomaly
48, 8.176, 146.197

Deuteranomaly
48, 3.130, 150.333

Tritanomaly
48, 13.558, 200.482

Monochromacy



Original Color
48, 18.192, 170.393

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.749, 172.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.192, 170.393 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(80, 122, 108)` looks like.

```
.text, #text, p{  
    color:rgb(80, 122, 108)  
}
```

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(80, 122, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 122, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.192, 170.393 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(80, 122, 108) }
```

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

```
.border{ border-color:rgb(80, 122, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 122, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 122, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 122, 108);  
box-shadow:4px 4px 4px 4px rgb(80, 122,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.192, 170.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 122, 108) }
```

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

```
.background{ background-color: rgb(80, 122,  
108) }
```

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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