

Converting Colors

CIELCh(48, 19.443, 155.078)

Have a look what the booklet for
CIELCh(48, 19.443, 155.078)
contains.

CIELCh(48, 19.452, 155.717)	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, 19.452, 155.717)

Conversions

Conversions Part 1

Format	Color
Hex	567A64
RGB	86, 122, 100
RGB Percent	34%, 48%, 39%
CMY	0.6630, 0.5219, 0.6081
CMYK	0.30, 0.00, 0.18, 0.52
HSL	143°, 17%, 41%
HSV	143°, 30%, 48%
XYZ	13.0782, 16.7945, 14.5906
YIQ	108.7280, -14.3940, -14.4740

Conversions

Conversions Part 2

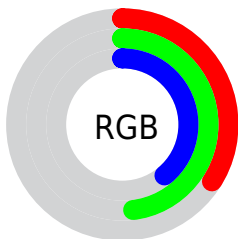
Format	Color
R_{YB}	86, 112, 122
Decimal	5667428
CIE _{Lab}	48.00, -17.73, 8.00
CIE _{LCh}	48, 19.452, 155.717
Yxy	16.7945, 0.2941, 0.3777
Android (android.graphics.Color)	4283857508 (0xFF567A64)
YUV	108.7280, -4.3029, -19.9325
Hunter-Lab	40.9810, -14.7523, 7.5775

Details


The CIELCh color $48, 19.452, 155.717$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 19.823, 340.385$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 19.565, 155.482$, and $28, 19.513, 155.230$ is the 20% darker color. If you saturate the color by 10%, you get $47, 25.874, 154.676$, and if you desaturate by 10%, it is $49, 12.891, 156.637$.

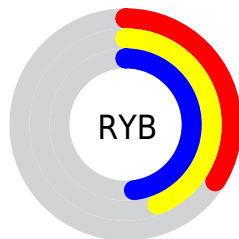
Distribution



 Red (34%)

 Green (48%)

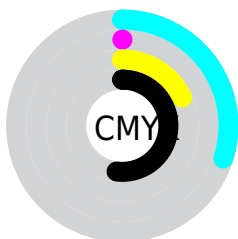
 Blue (39%)




 Red (34%)

 Yellow (44%)

 Blue (48%)

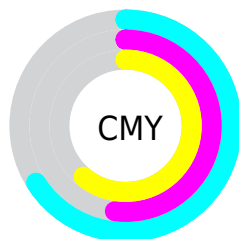



 Cyan (30%)


 Magenta (0%)

 Yellow (18%)

 Black (52%)



 Cyan (66%)


 Magenta (52%)

 Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 19.452, 155.717 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, 19.452, 155.717 by changing the saturation by 10% instead.


 48, 19.452,
155.717


 48, 19.452,
155.717


 100, 19.452,
155.717


 38, 19.452,
155.717

 68, 19.452,
155.717


 28, 19.452,
155.717

 78, 19.452,
155.717

 18, 19.452,
155.717


 88, 19.452,
155.717

 8, 19.452, 155.717

 98, 19.452,
155.717

 0, 19.452, 155.717

 48, 19.452,

 48, 19.452,

155.717

■ 47, 25.874,
154.676

■ 46, 32.050,
153.495

■ 46, 37.876,
152.152

■ 45, 43.245,
150.630

■ 45, 48.073,
148.923

■ 45, 52.303,
147.038

■ 44, 56.065,
145.153

■ 44, 56.239,
145.071

155.717

■ 49, 12.891,
156.637

■ 50, 6.276, 157.468

■ 51, 0.317, 337.344

■ 53, 6.832, 338.761

■ 54, 13.225,
339.366

■ 55, 19.469,
339.907

■ 57, 25.543,
340.400

■ 59, 31.438,
340.853

■ 60, 37.150,

Harmonies

Complementary

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



48, 19.452, 155.717



41, 19.823, 340.385

Rectangle

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



48, 19.452, 155.717



48, 19.452, 205.717



48, 19.452, 335.717



48, 19.452, 25.717

Sweetspot

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



48, 19.453, 155.716



64, 7.335, 157.493



49, 21.656, 123.437



33, 5.071, 157.396



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, 19.453, 155.716



61, 28.423, 155.074



48, 13.782, 187.534



25, 3.722, 157.504



45, 57.313, 145.011



87, 99.165, 143.768

Inverse Universe

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



41, 19.823, 340.385



50, 29.046, 340.955



40, 15.982, 12.706



24, 3.750, 338.722



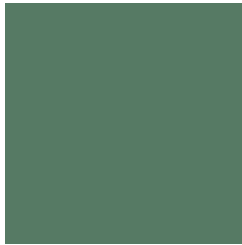
26, 52.101, 350.877



55, 86.868, 352.586

Previews

White Background



This preview shows how the CIELCh color 48, 19.452, 155.717 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, 19.452, 155.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

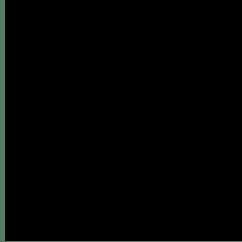
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 19.452, 155.717

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.452, 155.717.



This preview shows how white text looks on a background with the CIELCh color 48, 19.452, 155.717.

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, 19.452, 155.717

Protanopia

48, 10.426, 91.949

Deuteranopia

48, 9.283, 42.495



Tritanopia
48, 11.301, 230.162

Trichromacy



Original Color
48, 19.452, 155.717

Protanomaly
48, 11.657, 125.514

Deuteranomaly
48, 7.063, 112.621

Tritanomaly
48, 11.356, 195.186

Monochromacy



Original Color
48, 19.452, 155.717

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.138, 157.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 19.452, 155.717 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, 122, 100)` looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 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(86, 122, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.452, 155.717 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, 122, 100) }
```

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

```
.border{ border-color:rgb(86, 122, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 122, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 100);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.452, 155.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 100) }
```

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

```
.background{ background-color: rgb(86, 122,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor