

Converting Colors

CIELCh(50, 19.562, 197.464)

Have a look what the booklet for
CIELCh(50, 19.562, 197.464)
contains.

CIELCh(50, 19.558, 197.413)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 19.558, 197.413)

Conversions

Conversions Part 1

Format	Color
Hex	478080
RGB	71, 128, 128
RGB Percent	28%, 50%, 50%
CMY	0.7206, 0.4970, 0.4971
CMYK	0.44, 0.00, 0.00, 0.50
HSL	180°, 29%, 39%
HSV	180°, 44%, 50%
XYZ	14.2822, 18.4187, 23.3112
YIQ	110.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

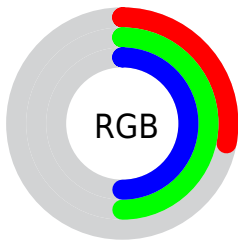
Format	Color
R_{YB}	71, 100, 128
Decimal	4685952
CIE _{Lab}	50.00, -18.66, -5.85
CIE _{LCh}	50, 19.558, 197.413
Yxy	18.4187, 0.2550, 0.3288
Android (android.graphics.Color)	4282876032 (0xFF478080)
YUV	110.9570, 8.4022, -35.0423
Hunter-Lab	42.9170, -15.7020, -2.1627

Details

The CIELCh color **50, 19.558, 197.413** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **37, 26.541, 23.754**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 19.628, 197.852**, and **30, 19.744, 196.613** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.765, 197.092**, and if you desaturate by 10%, it is **51, 15.831, 197.788**.

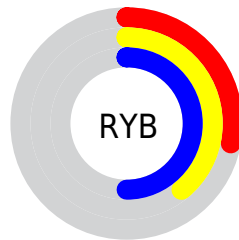
Distribution



Red (28%)

Green (50%)

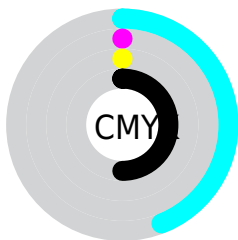
Blue (50%)



Red (28%)

Yellow (39%)

Blue (50%)

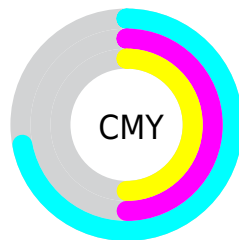


Cyan (44%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (72%)


Magenta (50%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.558, 197.413 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 50, 19.558, 197.413 by changing the saturation by 10% instead.


 50, 19.558,
197.413


 50, 19.558,
197.413


 100, 19.558,
197.413


 40, 19.558,
197.413


 70, 19.558,
197.413

 30, 19.558,
197.413


 80, 19.558,
197.413


 20, 19.558,
197.413

 90, 19.558,
197.413

 10, 19.558,
197.413

 0, 19.558, 197.413

 50, 19.558,
197.413

 50, 19.558,
197.413

49, 22.765,
197.092

51, 15.831,
197.788

49, 25.398,
196.834

51, 11.651,
198.221

49, 27.426,
196.637

52, 7.094, 198.713

49, 28.848,
196.500

53, 2.235, 199.343

54, 2.855, 19.566

48, 29.713,
196.417

55, 8.113, 20.221

48, 30.107,
196.379

57, 13.484, 20.824

58, 18.923, 21.428

60, 24.393, 22.034

Harmonies

Complementary

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



50, 19.558, 197.413



37, 26.541, 23.754

Rectangle

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



50, 19.558, 197.413



50, 19.558, 247.413



50, 19.558, 17.413



50, 19.558, 67.413

Sweetspot

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



50, 19.558, 197.411



66, 7.900, 198.774



49, 39.951, 140.777



35, 5.543, 198.672



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 19.558, 197.411



63, 27.368, 197.098



41, 18.968, 261.085



26, 2.793, 199.012



48, 29.979, 196.379



0, 0.000, 0.000

Inverse Universe

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



37, 26.541, 23.754



44, 40.132, 25.583



44, 21.734, 68.388



25, 2.951, 19.871



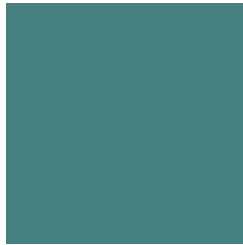
25, 61.100, 38.345



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 19.558, 197.413 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 50, 19.558, 197.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

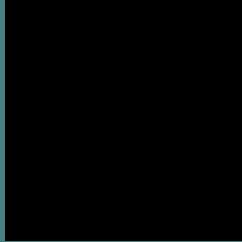
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.558, 197.413

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.558, 197.413.



This preview shows how white text looks on a background with the CIELCh color 50, 19.558, 197.413.

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

50, 19.558, 197.413

Protanopia

50, 2.386, 300.095

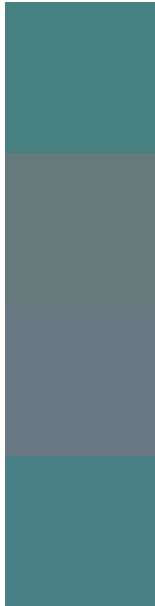
Deuteranopia

50, 10.064, 311.717



Tritanopia
50, 18.421, 216.419

Trichromacy



Original Color
50, 19.558, 197.413

Protanomaly
50, 7.694, 207.443

Deuteranomaly
50, 8.015, 246.190

Tritanomaly
50, 18.501, 210.548

Monochromacy



Original Color
50, 19.558, 197.413

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.734, 198.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.558, 197.413 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(71, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(71, 128, 128)  
}
```

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(71, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.558, 197.413 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(71, 128, 128) }
```

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

```
.border{ border-color:rgb(71, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(71, 128,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.558, 197.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 128, 128) }
```

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

```
.background{ background-color: rgb(71, 128,  
128) }
```

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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