

Converting Colors

CIE LCh(50, 18.333, 197.770)

Have a look what the booklet for
CIELCh(50, 18.333, 197.770)
contains.

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Color

CIELCh(50, 18.450, 197.524)

Conversions

Conversions Part 1

Format	Color
Hex	4B8080
RGB	75, 128, 128
RGB Percent	29%, 50%, 50%
CMY	0.7068, 0.4989, 0.4989
CMYK	0.41, 0.00, 0.00, 0.50
HSL	180°, 26%, 40%
HSV	180°, 41%, 50%
XYZ	14.4551, 18.4187, 23.1377
YIQ	112.1530, -31.5880, -11.2360

Conversions

Conversions Part 2

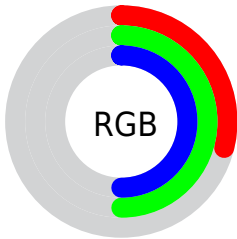
Format	Color
RYB	75, 102, 128
Decimal	4948096
CIELab	50.00, -17.59, -5.56
CIElCh	50, 18.450, 197.524
Yxy	18.4187, 0.2581, 0.3288
Android (android.graphics.Color)	4283138176 (0xFF4B8080)
YUV	112.1530, 7.8126, -32.5832
Hunter-Lab	42.9170, -14.9832, -1.9230

Details

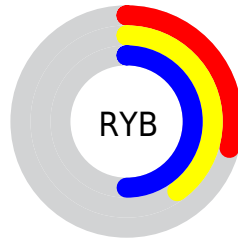
The CIELCh color **50, 18.450, 197.524** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 24.466, 23.285**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 18.433, 197.947**, and **30, 18.638, 196.763** is the 20% darker color. If you saturate the color by 10%, you get **49, 21.808, 197.185**, and if you desaturate by 10%, it is **51, 14.593, 197.915**.

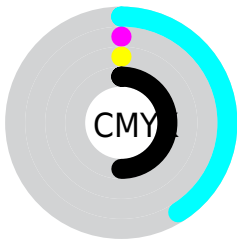
Distribution



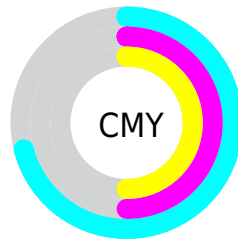
- Red (29%)
- Green (50%)
- Blue (50%)



- Red (29%)
- Yellow (40%)
- Blue (50%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)





- Cyan (71%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 18.450, 197.524 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, 18.450, 197.524 by changing the saturation by 10% instead.


 50, 18.450,
197.524


 50, 18.450,
197.524


 100, 18.450,
197.524


 40, 18.450,
197.524


 70, 18.450,
197.524

 30, 18.450,
197.524


 80, 18.450,
197.524

 20, 18.450,
197.524

 90, 18.450,
197.524

 10, 18.450,
197.524

 0, 18.450, 197.524

 50, 18.450,
197.524

 50, 18.450,
197.524

■ 49, 21.808,
197.185

■ 51, 14.593,
197.915

■ 49, 24.608,
196.909

■ 51, 10.306,
198.365

■ 49, 26.811,
196.695

■ 52, 5.666, 198.878

■ 48, 28.407,
196.541

■ 53, 0.746, 199.858

■ 54, 4.384, 19.784

■ 48, 29.421,
196.444

■ 56, 9.664, 20.404

■ 48, 30.025,
196.386

■ 57, 15.043, 21.005

■ 58, 20.478, 21.610

■ 60, 25.934, 22.216

Harmonies

Complementary

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



50, 18.450, 197.524



38, 24.466, 23.285

Rectangle

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



50, 18.450, 197.524



50, 18.450, 247.524



50, 18.450, 17.524



50, 18.450, 67.524

Sweetspot

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



50, 18.450, 197.521



67, 7.312, 198.833



49, 37.291, 141.058



35, 4.875, 198.777



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, 18.450, 197.521



63, 26.247, 197.195



42, 17.703, 260.390



26, 2.793, 199.016



48, 29.978, 196.386



0, 0.000, 0.000

Inverse Universe

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



38, 24.466, 23.285



45, 37.555, 24.963



45, 20.081, 68.738



25, 2.951, 19.874



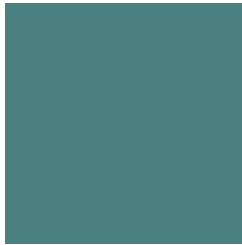
25, 61.101, 38.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 18.450, 197.524 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 18.450, 197.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

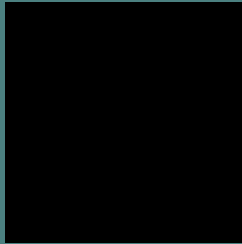
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

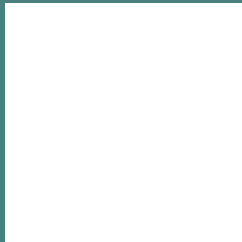
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 18.450, 197.524

Background



This preview shows how black text looks on a background with the CIELCh color 50, 18.450, 197.524.



This preview shows how white text looks on a background with the CIELCh color 50, 18.450, 197.524.

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, 18.450, 197.524

Protanopia

50, 2.488, 309.172

Deuteranopia

50, 9.520, 312.939



Tritanopia
50, 17.502, 219.639

Trichromacy



Original Color
50, 18.450, 197.524

Protanomaly
50, 6.972, 208.435

Deuteranomaly
50, 7.369, 244.901

Tritanomaly
50, 17.701, 211.214

Monochromacy



Original Color
50, 18.450, 197.524

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.725, 198.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 18.450, 197.524 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(75, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 18.450, 197.524 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(75, 128, 128) }
```

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

```
.border{ border-color:rgb(75, 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(75, 128, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 18.450, 197.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 128) }
```

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

```
.background{ background-color: rgb(75, 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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