

Converting Colors

CIELCh(50, 18.564, 197.498)

Have a look what the booklet for
CIELCh(50, 18.564, 197.498)
contains.

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Color

CIELCh(50, 18.731, 197.496)

Conversions

Conversions Part 1

Format	Color
Hex	4A8080
RGB	74, 128, 128
RGB Percent	29%, 50%, 50%
CMY	0.7102, 0.4984, 0.4984
CMYK	0.42, 0.00, 0.00, 0.50
HSL	180°, 27%, 40%
HSV	180°, 42%, 50%
XYZ	14.4111, 18.4187, 23.1819
YIQ	111.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

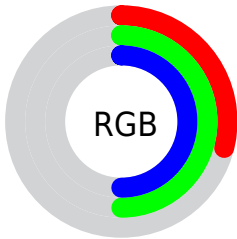
Format	Color
RYB	74, 101, 128
Decimal	4882560
CIELab	50.00, -17.86, -5.63
CIElCh	50, 18.731, 197.496
Yxy	18.4187, 0.2573, 0.3288
Android (android.graphics.Color)	4283072640 (0xFF4A8080)
YUV	111.8540, 7.9600, -33.1980
Hunter-Lab	42.9170, -15.1659, -1.9840

Details

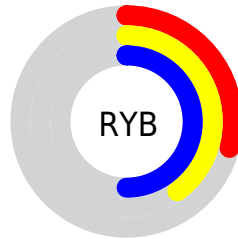
The CIELCh color **50, 18.731, 197.496** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 24.982, 23.399**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 18.734, 197.923**, and **30, 18.814, 196.739** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.052, 197.162**, and if you desaturate by 10%, it is **51, 14.905, 197.883**.

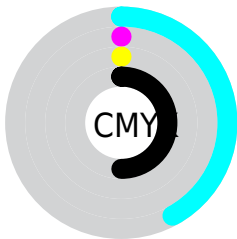
Distribution



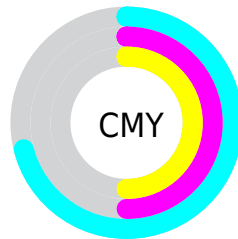
- Red (29%)
- Green (50%)
- Blue (50%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 18.731, 197.496 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, 18.731, 197.496 by changing the saturation by 10% instead.

 50, 18.731,
197.496

 50, 18.731,
197.496

 100, 18.731,
197.496


 40, 18.731,
197.496

 70, 18.731,
197.496

 30, 18.731,
197.496


 80, 18.731,
197.496

 20, 18.731,
197.496

 90, 18.731,
197.496

 10, 18.731,
197.496

 0, 18.731, 197.496

 50, 18.731,
197.496

 50, 18.731,
197.496

49, 22.052,
197.162

51, 14.905,
197.883

49, 24.810,
196.890

51, 10.645,
198.328

49, 26.970,
196.680

52, 6.025, 198.836

48, 28.522,
196.530

53, 1.120, 199.641

54, 4.001, 19.733

48, 29.495,
196.437

56, 9.277, 20.358

48, 30.046,
196.384

57, 14.654, 20.960

58, 20.090, 21.564

60, 25.550, 22.171

Harmonies

Complementary

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



50, 18.731, 197.496



38, 24.982, 23.399

Rectangle

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



50, 18.731, 197.496



50, 18.731, 247.496



50, 18.731, 17.496



50, 18.731, 67.496

Sweetspot

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



50, 18.731, 197.493



66, 7.900, 198.777



49, 37.959, 140.988



35, 5.543, 198.675



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, 18.731, 197.493



63, 26.628, 197.163



42, 18.020, 260.560



26, 2.793, 199.015



48, 29.978, 196.384



0, 0.000, 0.000

Inverse Universe

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



38, 24.982, 23.399



45, 38.412, 25.165



45, 20.492, 68.651



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, 18.731, 197.496 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, 18.731, 197.496 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

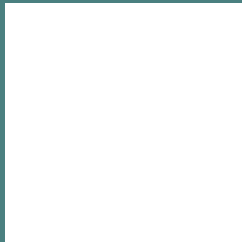
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 18.731, 197.496

Background



This preview shows how black text looks on a background with the CIELCh color 50, 18.731, 197.496.



This preview shows how white text looks on a background with the CIELCh color 50, 18.731, 197.496.

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, 18.731, 197.496

Protanopia

50, 2.386, 300.095

Deuteranopia

50, 10.064, 311.717



Tritanopia
50, 17.908, 217.019

Trichromacy



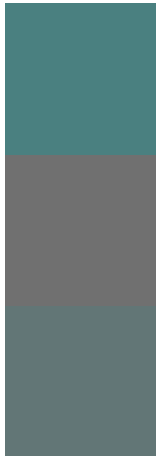
Original Color
50, 18.731, 197.496

Protanomaly
50, 7.334, 207.915

Deuteranomaly
50, 7.773, 248.166

Tritanomaly
50, 17.970, 210.984

Monochromacy



Original Color
50, 18.731, 197.496

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, 18.731, 197.496 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(74, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 128, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 18.731, 197.496 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(74, 128, 128) }
```

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

```
.border{ border-color:rgb(74, 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(74, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(74, 128,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 18.731, 197.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 128, 128) }
```

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

```
.background{ background-color: rgb(74, 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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