

Converting Colors

CIELCh(50, 18.306, 275.719)

Have a look what the booklet for
CIELCh(50, 18.306, 275.719)
contains.

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Color

CIELCh(50, 18.698, 276.299)

Conversions

Conversions Part 1

Format	Color
Hex	687796
RGB	104, 119, 150
RGB Percent	41%, 47%, 59%
CMY	0.5912, 0.5324, 0.4108
CMYK	0.31, 0.21, 0.00, 0.41
HSL	220°, 18%, 50%
HSV	220°, 31%, 59%
XYZ	17.8878, 18.4187, 31.5733
YIQ	118.0490, -18.8910, 6.4610

Conversions

Conversions Part 2

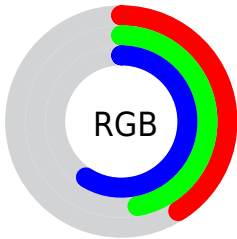
Format	Color
RYB	104, 115, 150
Decimal	6846358
CIELab	50.00, 2.05, -18.59
CIELCh	50, 18.698, 276.299
Yxy	18.4187, 0.2635, 0.2713
Android (android.graphics.Color)	4285036438 (0xFF687796)
YUV	118.0490, 15.7518, -12.3210
Hunter-Lab	42.9170, -0.7056, -13.5768

Details

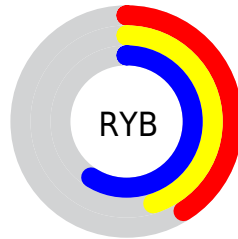
The CIELCh color $50, 18.698, 276.299$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 18.769, 87.877$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 18.629, 276.156$, and $30, 18.533, 275.806$ is the 20% darker color. If you saturate the color by 10%, you get $46, 25.015, 278.317$, and if you desaturate by 10%, it is $54, 12.489, 274.567$.

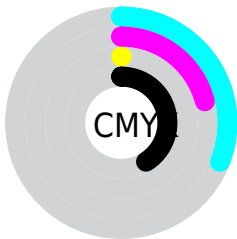
Distribution



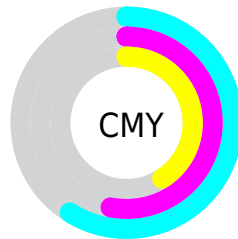
- Red (41%)
- Green (47%)
- Blue (59%)



- Red (41%)
- Yellow (45%)
- Blue (59%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)
- Black (41%)



- Cyan (59%)
- Magenta (53%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 18.698, 276.299 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, 18.698, 276.299 by changing the saturation by 10% instead.

■ 50, 18.698,
276.299

■ 50, 18.698,
276.299

■ 100, 18.698,
276.299

■ 40, 18.698,
276.299

■ 70, 18.698,
276.299

■ 30, 18.698,
276.299

■ 80, 18.698,
276.299

■ 20, 18.698,
276.299

■ 90, 18.698,
276.299

■ 10, 18.698,
276.299

■ 0, 18.698, 276.299

■ 50, 18.698,
276.299

■ 50, 18.698,
276.299

■ 46, 25.015,
278.317

■ 54, 12.489,
274.567

■ 42, 31.460,
280.664

■ 58, 6.384, 273.092

■ 62, 0.377, 272.284

■ 38, 38.052,
283.363

■ 66, 5.531, 90.632

■ 35, 44.820,
286.412

■ 70, 11.341, 89.682

■ 31, 51.776,
289.756

■ 74, 17.051, 88.839

■ 78, 22.663, 88.094

■ 28, 58.878,
293.269

■ 82, 28.175, 87.432

■ 25, 65.566,
296.409

■ 85, 33.588, 86.840

Harmonies

Complementary

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



50, 18.698, 276.299



57, 18.769, 87.877

Rectangle

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



50, 18.698, 276.299



50, 18.698, 326.299



50, 18.698, 96.299



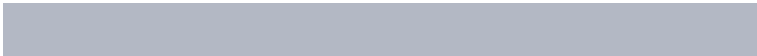
50, 18.698, 146.299

Sweetspot

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



50, 18.697, 276.298



75, 6.721, 272.900



59, 19.288, 170.744



39, 4.712, 273.081



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 18.697, 276.298



61, 28.268, 277.707



46, 27.542, 299.355



29, 3.348, 272.901



23, 61.022, 296.117



1, 2.910, 271.709

Inverse Universe

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



49, 20.783, 357.438



60, 31.447, 358.451



61, 25.718, 114.538



29, 3.658, 354.964



28, 54.485, 17.242



1, 3.146, 354.179

Previews

White Background



This preview shows how the CIE LCh color 50, 18.698, 276.299 looks on a white background.

Color Contrast Check

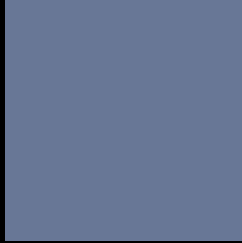
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.698, 276.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

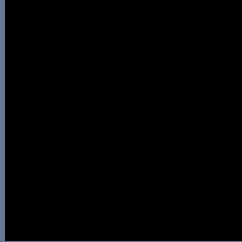
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

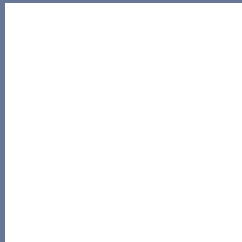
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 18.698, 276.299

Background



This preview shows how black text looks on a background with the CIELCh color 50, 18.698, 276.299.

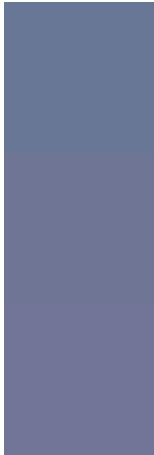


This preview shows how white text looks on a background with the CIELCh color 50, 18.698, 276.299.

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, 18.698, 276.299

Protanopia

50, 18.240, 284.665

Deuteranopia

50, 19.906, 289.649



Tritanopia
50, 9.850, 235.380

Trichromacy



Original Color
50, 18.698, 276.299

Protanomaly
50, 18.328, 282.511

Deuteranomaly
50, 19.430, 284.321

Tritanomaly
50, 12.368, 257.803

Monochromacy



Original Color
50, 18.698, 276.299

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.248, 275.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 18.698, 276.299 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(104, 119, 150)` looks like.

```
.text, #text, p{  
    color:rgb(104, 119, 150)  
}
```

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(104, 119, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 119, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 18.698, 276.299 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(104, 119, 150) }
```

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

```
.border{ border-color:rgb(104, 119, 150) }
```

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

Here you see how a box with a 4 pixel rgb(104, 119, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 119, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 119, 150);  
box-shadow:4px 4px 4px 4px rgb(104, 119,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 18.698, 276.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 119, 150) }
```

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

```
.background{ background-color: rgb(104,  
119, 150) }
```

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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