

Converting Colors

CIELCh(50, 2.181, 282.547)

Have a look what the booklet for
CIELCh(50, 2.181, 282.547) contains.

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Color

CIELCh(50, 1.797, 277.673)

Conversions

Conversions Part 1

Format	Color
Hex	76777A
RGB	118, 119, 122
RGB Percent	46%, 47%, 48%
CMY	0.5376, 0.5337, 0.5219
CMYK	0.03, 0.02, 0.00, 0.52
HSL	225°, 2%, 47%
HSV	225°, 3%, 48%
XYZ	17.5507, 18.4187, 21.0112
YIQ	119.0430, -1.5590, 0.7210

Conversions

Conversions Part 2

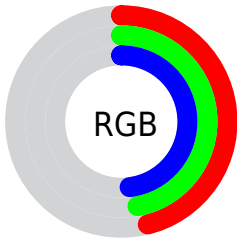
Format	Color
R_{YB}	118, 119, 122
Decimal	7763834
CIE Lab	50.00, 0.24, -1.78
CIE LCh	50, 1.797, 277.673
Yxy	18.4187, 0.3080, 0.3232
Android (android.graphics.Color)	4285953914 (0xFF76777A)
YUV	119.0430, 1.4578, -0.9147
Hunter-Lab	42.9170, -2.1079, 1.0148

Details

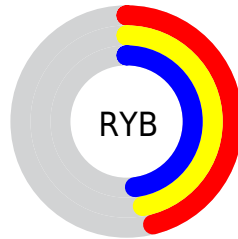
The CIELCh color $50, 1.797, 277.673$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 1.780, 96.760$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 1.685, 277.596$, and $30, 1.347, 271.670$ is the 20% darker color. If you saturate the color by 10%, you get $46, 7.338, 278.830$, and if you desaturate by 10%, it is $54, 3.618, 96.452$.

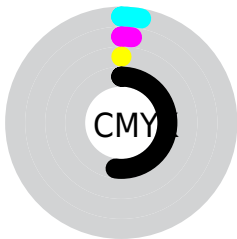
Distribution



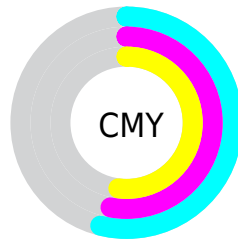
- Red (46%)
- Green (47%)
- Blue (48%)



- Red (46%)
- Yellow (47%)
- Blue (48%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



- Cyan (54%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 1.797, 277.673 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, 1.797, 277.673 by changing the saturation by 10% instead.

■ 50, 1.797, 277.673

■ 50, 1.797, 277.673

■ 100, 1.797,
277.673

■ 40, 1.797, 277.673

■ 70, 1.797, 277.673

■ 30, 1.797, 277.673

■ 80, 1.797, 277.673

■ 20, 1.797, 277.673

■ 90, 1.797, 277.673

■ 10, 1.797, 277.673

■ 0, 1.797, 277.673

■ 50, 1.797, 277.673

■ 50, 1.797, 277.673

■ 46, 7.338, 278.830

■ 54, 3.618, 96.452

■ 43, 13.014,
280.264

■ 57, 8.910, 95.533

■ 61, 14.085, 94.715

■ 39, 18.834,
281.936

■ 64, 19.144, 93.991

■ 36, 24.813,
283.875

■ 68, 24.093, 93.349

■ 71, 28.935, 92.777

■ 32, 30.968,
286.113

■ 75, 33.672, 92.263

■ 28, 37.315,
288.660

■ 78, 38.308, 91.800

■ 82, 42.846, 91.381

■ 25, 43.859,
291.494

■ 22, 50.551,
294.536

■ 19, 57.241,
297.623

Harmonies

Complementary

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



50, 1.797, 277.673



51, 1.780, 96.760

Rectangle

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



50, 1.797, 277.673



50, 1.797, 327.673



50, 1.797, 97.673



50, 1.797, 147.673

Sweetspot

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



50, 1.796, 277.639



65, 0.681, 277.540



51, 1.716, 178.226



33, 0.385, 277.550



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 1.796, 277.639



63, 2.710, 277.720



50, 2.380, 299.467



25, 1.548, 277.766



18, 62.893, 299.535



39, 111.402, 301.158

Inverse Universe

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



50, 1.725, 359.569



63, 2.607, 359.682



51, 2.353, 119.083



25, 1.490, 359.737



25, 52.358, 23.333



53, 90.139, 26.625

Previews

White Background



This preview shows how the CIELCh color 50, 1.797, 277.673 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 CIE LCh color 50, 1.797, 277.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

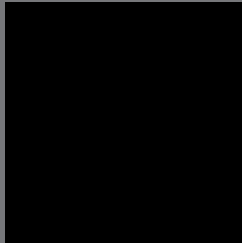
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

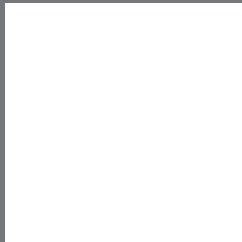
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 1.797, 277.673

Background



This preview shows how black text looks on a background with the CIELCh color 50, 1.797, 277.673.



This preview shows how white text looks on a background with the CIELCh color 50, 1.797, 277.673.

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, 1.797, 277.673

Protanopia

50, 2.488, 309.172

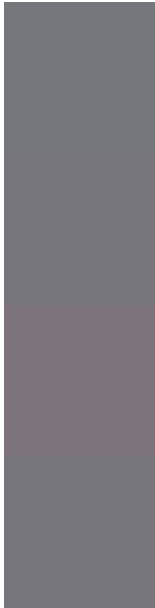
Deuteranopia

50, 7.349, 340.772



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 1.797, 277.673

Protanomaly
50, 2.386, 300.095

Deuteranomaly
50, 5.486, 331.711

Tritanomaly
50, 4.127, 296.194

Monochromacy



Original Color
50, 1.797, 277.673

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 0.591, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 1.797, 277.673 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(118, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 122)  
}
```

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(118, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 1.797, 277.673 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(118, 119, 122) }
```

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

```
.border{ border-color:rgb(118, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 1.797, 277.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 122) }
```

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

```
.background{ background-color: rgb(118,  
119, 122) }
```

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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