

Converting Colors

CIELCh(50, 48.143, 277.191)

Have a look what the booklet for
CIELCh(50, 48.143, 277.191)
contains.

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Color

CIELCh(50, 48.143, 277.191)

Conversions

Conversions Part 1

Format	Color
Hex	3478C8
RGB	52, 120, 200
RGB Percent	20%, 47%, 78%
CMY	0.7945, 0.5284, 0.2146
CMYK	0.74, 0.40, 0.00, 0.21
HSL	212°, 59%, 50%
HSV	212°, 74%, 79%
XYZ	18.6427, 18.4187, 57.3919
YIQ	108.7880, -66.2080, 10.4640

Conversions

Conversions Part 2

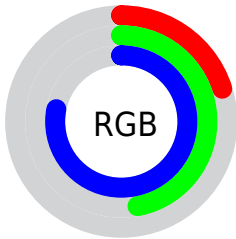
Format	Color
RYB	52, 99, 200
Decimal	3438792
CIELab	50.00, 6.03, -47.76
CIElCh	50, 48.143, 277.191
Yxy	18.4187, 0.1974, 0.1950
Android (android.graphics.Color)	4281628872 (0xFF3478C8)
YUV	108.7880, 44.9675, -49.8031
Hunter-Lab	42.9170, 2.4338, -49.2454

Details

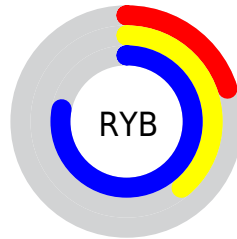
The CIELCh color **50, 48.143, 277.191** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **61, 55.223, 69.703**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.912, 276.332**, and **31, 46.847, 283.463** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.694, 281.231**, and if you desaturate by 10%, it is **54, 41.688, 273.549**.

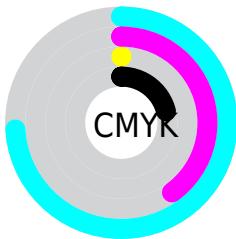
Distribution



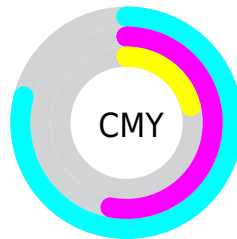
- Red (20%)
- Green (47%)
- Blue (78%)



- Red (20%)
- Yellow (39%)
- Blue (78%)



- Cyan (74%)
- Magenta (40%)
- Yellow (0%)
- Black (21%)





- Cyan (79%)
- Magenta (53%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.143, 277.191 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, 48.143, 277.191 by changing the saturation by 10% instead.


 50, 48.143,
277.191


 50, 48.143,
277.191


 100, 48.143,
277.191


 40, 48.143,
277.191


 70, 48.143,
277.191

 30, 48.143,
277.191


 80, 48.143,
277.191


 20, 48.143,
277.191

 90, 48.143,
277.191

 10, 48.143,
277.191

 0, 48.143, 277.191

 50, 48.143,
277.191

 50, 48.143,
277.191

46, 54.694,
281.231

54, 41.688,
273.549

43, 61.414,
285.522

58, 35.259,
270.359

41, 65.671,
288.104

62, 28.806,
267.621

66, 22.305,
265.295

70, 15.754,
263.331

75, 9.163, 261.679

79, 2.548, 260.358

83, 4.073, 78.935

88, 10.682, 77.947

Harmonies

Complementary

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



50, 48.143, 277.191



61, 55.223, 69.703

Rectangle

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



50, 48.143, 277.191



50, 48.143, 327.191



50, 48.143, 97.191



50, 48.143, 147.191

Sweetspot

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



50, 48.142, 277.192



88, 17.696, 263.060



72, 59.084, 156.280



46, 11.883, 263.555



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 48.142, 277.192



56, 70.762, 283.975



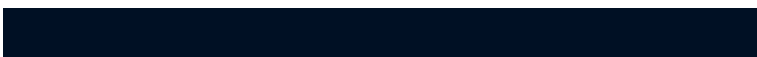
33, 89.783, 303.022



40, 3.737, 261.037



33, 55.547, 287.420



5, 14.687, 273.596

Inverse Universe

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



47, 62.540, 356.604



56, 82.442, 2.055



78, 70.838, 105.447



39, 5.063, 346.691



35, 60.471, 5.470



4, 17.485, 355.465

Previews

White Background



This preview shows how the CIE LCh color 50, 48.143, 277.191 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, 48.143, 277.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

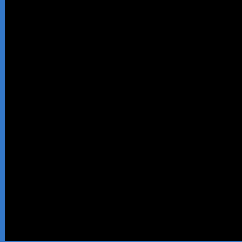
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 48.143, 277.191

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.143, 277.191.

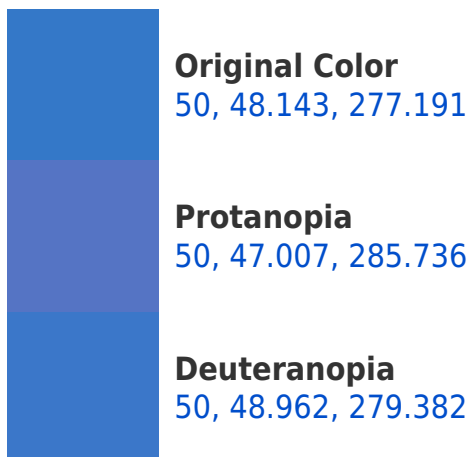



This preview shows how white text looks on a background with the CIELCh color 50, 48.143, 277.191.

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





Tritanopia
50, 29.482, 209.458

Trichromacy



Original Color
50, 48.143, 277.191

Protanomaly
50, 47.381, 281.987

Deuteranomaly
50, 49.034, 279.026

Tritanomaly
49, 31.098, 240.874

Monochromacy



Original Color
50, 48.143, 277.191

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.829, 265.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.143, 277.191 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(52, 120, 200)` looks like.

```
.text, #text, p{  
    color:rgb(52, 120, 200)  
}
```

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(52, 120, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 120, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.143, 277.191 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(52, 120, 200) }
```

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

```
.border{ border-color:rgb(52, 120, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 120, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 120, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 120, 200);  
box-shadow:4px 4px 4px 4px rgb(52, 120,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.143, 277.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 120, 200) }
```

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

```
.background{ background-color: rgb(52, 120,  
200) }
```

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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