

Converting Colors

CIELCh(50, 62.046, 282.586)

Have a look what the booklet for
CIELCh(50, 62.046, 282.586)
contains.

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Color

CIELCh(50, 62.058, 282.531)

Conversions

Conversions Part 1

Format	Color
Hex	1776DF
RGB	23, 118, 223
RGB Percent	9%, 46%, 87%
CMY	0.9081, 0.5379, 0.1263
CMYK	0.89, 0.47, 0.00, 0.13
HSL	212°, 81%, 48%
HSV	212°, 89%, 87%
XYZ	20.1116, 18.4187, 72.1616
YIQ	101.5650, -90.3250, 12.5150

Conversions

Conversions Part 2

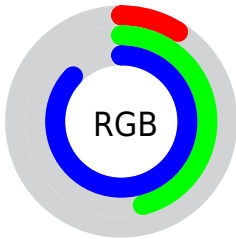
Format	Color
R _Y B	23, 87, 223
Decimal	1537759
CIE Lab	50.00, 13.46, -60.58
CIE LCh	50, 62.058, 282.531
Yxy	18.4187, 0.1817, 0.1664
Android (android.graphics.Color)	4279727839 (0xFF1776DF)
YUV	101.5650, 59.8675, -68.9015
Hunter-Lab	42.9170, 8.5435, -69.6498

Details

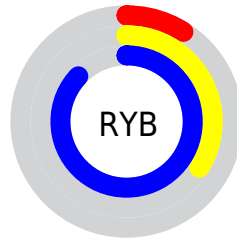
The CIELCh color **50, 62.058, 282.531** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **63, 71.434, 65.203**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.807, 276.192**, and **32, 60.321, 290.246** is the 20% darker color. If you saturate the color by 10%, you get **47, 69.228, 286.924**, and if you desaturate by 10%, it is **54, 55.106, 278.222**.

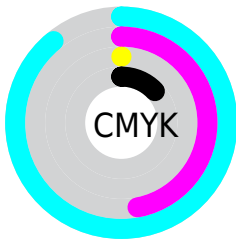
Distribution



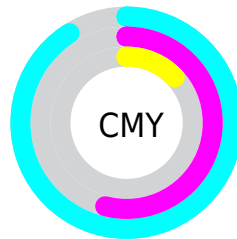
- Red (9%)
- Green (46%)
- Blue (87%)



- Red (9%)
- Yellow (34%)
- Blue (87%)



- Cyan (89%)
- Magenta (47%)
- Yellow (0%)
- Black (13%)





- Cyan (91%)
- Magenta (54%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 62.058, 282.531 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, 62.058, 282.531 by changing the saturation by 10% instead.


 50, 62.058,
282.531


 50, 62.058,
282.531


 100, 62.058,
282.531


 40, 62.058,
282.531


 70, 62.058,
282.531

 30, 62.058,
282.531


 80, 62.058,
282.531


 20, 62.058,
282.531

 90, 62.058,
282.531

 10, 62.058,
282.531

 0, 62.058, 282.531

 50, 62.058,
282.531

 50, 62.058,
282.531

47, 69.228,
286.924

54, 55.106,
278.222

46, 69.606,
287.137

58, 48.290,
274.253

62, 41.518,
270.733

66, 34.716,
267.691

71, 27.843,
265.101

75, 20.887,
262.916

80, 13.855,
261.079

84, 6.765, 259.549

89, 0.360, 77.124

Harmonies

Complementary

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



50, 62.058, 282.531



63, 71.434, 65.203

Rectangle

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



50, 62.058, 282.531



50, 62.058, 332.531



50, 62.058, 102.531



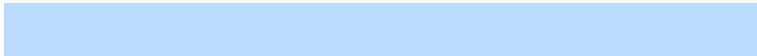
50, 62.058, 152.531

Sweetspot

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



50, 62.058, 282.533



86, 21.360, 262.468



79, 74.493, 152.069



44, 14.373, 263.151



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, 62.058, 282.533



53, 77.685, 287.488



30, 115.004, 305.476



45, 4.074, 259.544



37, 57.418, 286.399



7, 19.825, 277.298

Inverse Universe

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



49, 74.596, 0.696



55, 84.440, 5.546



86, 85.168, 103.998



44, 5.646, 345.868



38, 63.971, 4.360



6, 26.184, 356.680

Previews

White Background



This preview shows how the CIE LCh color 50, 62.058, 282.531 looks on a white background.

Color Contrast Check

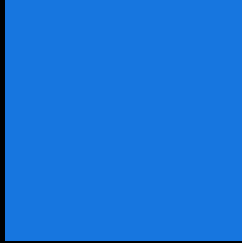
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.058, 282.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

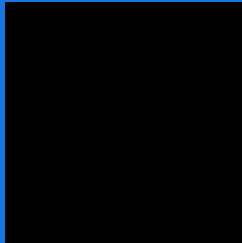
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

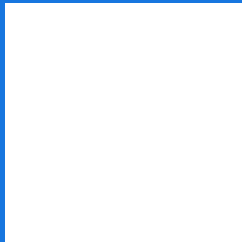
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 62.058, 282.531

Background



This preview shows how black text looks on a background with the CIELCh color 50, 62.058, 282.531.



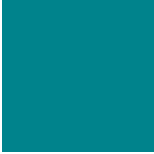
This preview shows how white text looks on a background with the CIELCh color 50, 62.058, 282.531.

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, 29.576, 207.020

Trichromacy



Original Color
50, 62.070, 282.479

Protanomaly
50, 61.198, 284.754

Deuteranomaly
50, 57.378, 278.881

Tritanomaly
49, 33.798, 248.256

Monochromacy



Original Color
50, 62.070, 282.479

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 24.685, 266.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 62.058, 282.531 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(23, 118, 223)` looks like.

```
.text, #text, p{  
    color:rgb(23, 118, 223)  
}
```

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(23, 118, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 118, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 62.058, 282.531 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(23, 118, 223) }
```

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

```
.border{ border-color:rgb(23, 118, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 118, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 118, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 118, 223);  
box-shadow:4px 4px 4px 4px rgb(23, 118,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 62.058, 282.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 118, 223) }
```

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

```
.background{ background-color: rgb(23, 118,  
223) }
```

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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