

Converting Colors

CIELCh(50, 62.540, 281.668)

Have a look what the booklet for
CIELCh(50, 62.540, 281.668)
contains.

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Color

CIELCh(50, 62.784, 281.943)

Conversions

Conversions Part 1

Format	Color
Hex	0276E0
RGB	2, 118, 224
RGB Percent	1%, 46%, 88%
CMY	0.9941, 0.5363, 0.1205
CMYK	0.99, 0.47, 0.00, 0.12
HSL	209°, 99%, 44%
HSV	209°, 99%, 88%
XYZ	20.0162, 18.4187, 73.2161
YIQ	95.4000, -103.1620, 8.3740

Conversions

Conversions Part 2

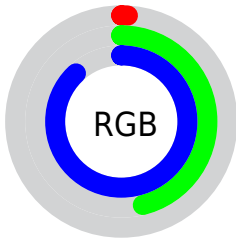
Format	Color
R _Y B	2, 78, 224
Decimal	161504
CIE Lab	50.00, 12.99, -61.42
CIE LCh	50, 62.784, 281.943
Yxy	18.4187, 0.1793, 0.1650
Android (android.graphics.Color)	4278351584 (0xFF0276E0)
YUV	95.4000, 63.3998, -81.9118
Hunter-Lab	42.9170, 8.1464, -71.1066

Details

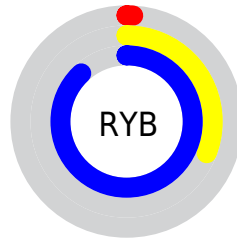
The CIELCh color **50, 62.784, 281.943** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **59, 78.054, 58.306**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.081, 275.036**, and **33, 60.901, 290.460** is the 20% darker color. If you saturate the color by 10%, you get **50, 63.206, 282.242**, and if you desaturate by 10%, it is **53, 56.659, 277.267**.

Distribution



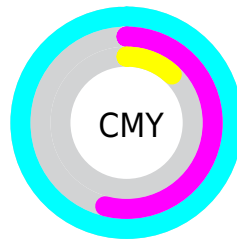
- Red (1%)
- Green (46%)
- Blue (88%)



- Red (1%)
- Yellow (31%)
- Blue (88%)



- Cyan (99%)
- Magenta (47%)
- Yellow (0%)
- Black (12%)





- Cyan (99%)
- Magenta (54%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 62.784, 281.943 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, 62.784, 281.943 by changing the saturation by 10% instead.


 50, 62.784,
281.943


 50, 62.784,
281.943


 100, 62.784,
281.943


 40, 62.784,
281.943


 70, 62.784,
281.943

 30, 62.784,
281.943


 80, 62.784,
281.943


 20, 62.784,
281.943

 90, 62.784,
281.943

 10, 62.784,
281.943

 0, 62.784, 281.943

 50, 62.784,
281.943

 50, 62.784,
281.943

■ 50, 63.206,
282.242

■ 53, 56.659,
277.267

■ 57, 50.710,
272.756

■ 60, 44.798,
268.664

■ 64, 38.812,
265.083

■ 68, 32.678,
262.023

■ 72, 26.362,
259.446

■ 77, 19.866,
257.294

■ 81, 13.210,
255.502

■ 85, 6.425, 254.027

Harmonies

Complementary

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



50, 62.784, 281.943



59, 78.054, 58.306

Rectangle

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



50, 62.784, 281.943



50, 62.784, 331.943



50, 62.784, 101.943



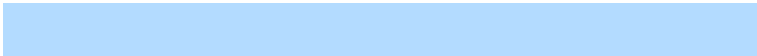
50, 62.784, 151.943

Sweetspot

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



50, 62.784, 281.945



86, 22.531, 257.469



79, 83.791, 147.366



44, 15.305, 258.349



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, 62.784, 281.945



56, 70.133, 282.600



28, 119.762, 305.927



45, 3.912, 254.042



39, 51.911, 281.429



8, 18.218, 271.952

Inverse Universe

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



49, 77.108, 0.039



55, 84.973, 0.621



85, 85.672, 100.705



44, 5.840, 343.110



38, 64.487, 359.581



6, 26.688, 352.941

Previews

White Background



This preview shows how the CIE LCh color 50, 62.784, 281.943 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, 62.784, 281.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

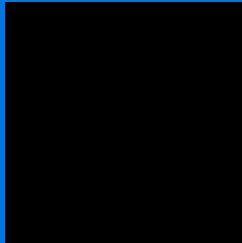
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

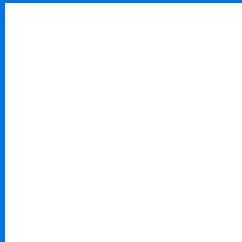
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 62.784, 281.943

Background



This preview shows how black text looks on a background with the CIELCh color 50, 62.784, 281.943.




This preview shows how white text looks on a background with the CIELCh color 50, 62.784, 281.943.

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, 29.809, 205.742

Trichromacy



Original Color
50, 62.771, 281.999

Protanomaly
50, 62.435, 284.425

Deuteranomaly
50, 57.442, 278.624

Tritanomaly
50, 34.111, 247.509

Monochromacy



Original Color
50, 62.771, 281.999

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 26.033, 264.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 62.784, 281.943 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(2, 118, 224)` looks like.

```
.text, #text, p{  
    color:rgb(2, 118, 224)  
}
```

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(2, 118, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 118, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 62.784, 281.943 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(2, 118, 224) }
```

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

```
.border{ border-color:rgb(2, 118, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 118, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 118, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 118, 224);  
box-shadow:4px 4px 4px 4px rgb(2, 118,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 62.784, 281.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 118, 224) }
```

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

```
.background{ background-color: rgb(2, 118,  
224) }
```

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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