

Converting Colors

CIELCh(50, 64.378, 282.718)

Have a look what the booklet for
CIELCh(50, 64.378, 282.718)
contains.

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Color

CIELCh(50, 64.378, 282.718)

Conversions

Conversions Part 1

Format	Color
Hex	0076E3
RGB	0, 118, 227
RGB Percent	0%, 46%, 89%
CMY	1.0000, 0.5382, 0.1109
CMYK	1.00, 0.48, 0.00, 0.11
HSL	209°, 100%, 44%
HSV	209°, 100%, 89%
XYZ	20.2554, 18.4187, 74.9515
YIQ	95.1440, -105.3170, 8.8830

Conversions

Conversions Part 2

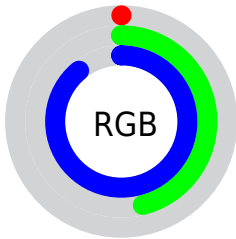
Format	Color
R _Y B	0, 78, 227
Decimal	30435
CIE Lab	50.00, 14.17, -62.80
CIE LCh	50, 64.378, 282.718
Yxy	18.4187, 0.1783, 0.1621
Android (android.graphics.Color)	4278220515 (0xFF0076E3)
YUV	95.1440, 65.0050, -83.4413
Hunter-Lab	42.9170, 9.1415, -73.5040

Details

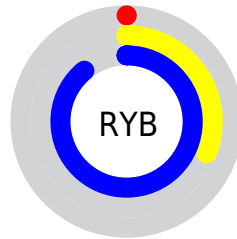
The CIELCh color **50, 64.378, 282.718** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **59, 78.889, 58.481**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.026, 275.262**, and **33, 62.639, 291.077** is the 20% darker color. If you saturate the color by 10%, you get **50, 64.369, 282.759**, and if you desaturate by 10%, it is **53, 58.069, 278.117**.

Distribution



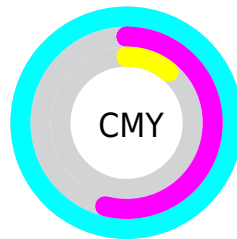
- Red (0%)
- Green (46%)
- Blue (89%)



- Red (0%)
- Yellow (31%)
- Blue (89%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (54%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 64.378, 282.718 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, 64.378, 282.718 by changing the saturation by 10% instead.


 50, 64.378,
282.718


 50, 64.378,
282.718


 100, 64.378,
282.718


 40, 64.378,
282.718


 70, 64.378,
282.718

 30, 64.378,
282.718

 80, 64.378,
282.718


 20, 64.378,
282.718

 90, 64.378,
282.718

 10, 64.378,
282.718

 0, 64.378, 282.718

 50, 64.378,
282.718

 50, 64.378,
282.718

■ 50, 64.369,
282.759

■ 53, 58.069,
278.117

■ 57, 51.963,
273.596

■ 61, 45.915,
269.477

■ 64, 39.810,
265.860

■ 69, 33.570,
262.762

■ 73, 27.159,
260.149

■ 77, 20.574,
257.963

■ 81, 13.834,
256.141

■ 86, 6.968, 254.637

Harmonies

Complementary

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



50, 64.378, 282.718



59, 78.889, 58.481

Rectangle

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



50, 64.378, 282.718



50, 64.378, 332.718



50, 64.378, 102.718



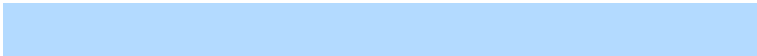
50, 64.378, 152.718

Sweetspot

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



50, 64.369, 282.759



86, 22.629, 258.002



80, 84.839, 147.206



44, 15.376, 258.885



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, 64.369, 282.759



56, 70.803, 283.083



29, 121.057, 305.976



45, 3.925, 254.563



39, 52.398, 281.920



8, 18.360, 272.486

Inverse Universe

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



49, 77.722, 0.766



55, 84.894, 1.065



86, 86.488, 100.681



44, 5.821, 343.354



38, 64.418, 0.010



6, 26.636, 353.283

Previews

White Background



This preview shows how the CIE LCh color 50, 64.378, 282.718 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, 64.378, 282.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

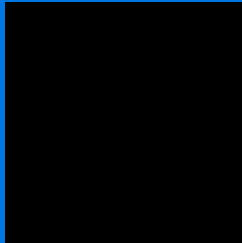
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

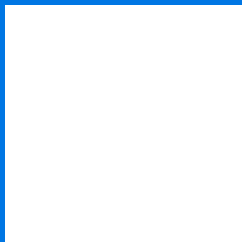
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 64.378, 282.718

Background



This preview shows how black text looks on a background with the CIELCh color 50, 64.378, 282.718.



This preview shows how white text looks on a background with the CIELCh color 50, 64.378, 282.718.

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, 64.378, 282.718

Protanomaly
50, 63.567, 284.633

Deuteranomaly
50, 57.971, 278.909

Tritanomaly
50, 34.468, 248.353

Monochromacy



Original Color
50, 64.378, 282.718

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 26.626, 264.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 64.378, 282.718 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(0, 118, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 227)  
}
```

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(0, 118, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 64.378, 282.718 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(0, 118, 227) }
```

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

```
.border{ border-color:rgb(0, 118, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 118, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 118, 227); box-shadow:4px 4px 4px 4px rgb(0, 118, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 64.378, 282.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 227) }
```

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

```
.background{ background-color: rgb(0, 118,  
227) }
```

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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