

Converting Colors

CIELCh(49, 64.801, 278.311)

Have a look what the booklet for
CIELCh(49, 64.801, 278.311)
contains.

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Color

CIELCh(50, 63.846, 282.464)

Conversions

Conversions Part 1

Format	Color
Hex	0076E2
RGB	0, 118, 226
RGB Percent	0%, 46%, 89%
CMY	1.0000, 0.5376, 0.1141
CMYK	1.00, 0.48, 0.00, 0.11
HSL	209°, 100%, 44%
HSV	209°, 100%, 89%
XYZ	20.1755, 18.4187, 74.3708
YIQ	95.0300, -104.9960, 8.5720

Conversions

Conversions Part 2

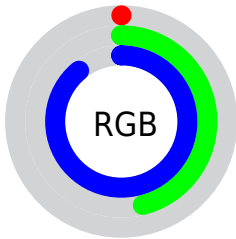
Format	Color
RYB	0, 78, 226
Decimal	30434
CIELab	50.00, 13.78, -62.34
CIELCh	50, 63.846, 282.464
Yxy	18.4187, 0.1786, 0.1630
Android (android.graphics.Color)	4278220514 (0xFF0076E2)
YUV	95.0300, 64.5682, -83.3413
Hunter-Lab	42.9170, 8.8091, -72.7018

Details

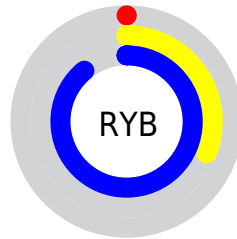
The CIELCh color **50, 63.846, 282.464** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **59, 78.767, 58.285**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.026, 275.262**, and **33, 62.060, 290.875** is the 20% darker color. If you saturate the color by 10%, you get **50, 63.843, 282.478**, and if you desaturate by 10%, it is **53, 57.618, 277.823**.

Distribution



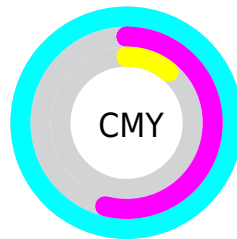
- Red (0%)
- Green (46%)
- Blue (89%)



- 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, 63.846, 282.464 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, 63.846, 282.464 by changing the saturation by 10% instead.


 50, 63.846,
282.464


 50, 63.846,
282.464


 100, 63.846,
282.464


 40, 63.846,
282.464


 70, 63.846,
282.464

 30, 63.846,
282.464


 80, 63.846,
282.464


 20, 63.846,
282.464

 90, 63.846,
282.464

 10, 63.846,
282.464

 0, 63.846, 282.464

 50, 63.846,
282.464

 50, 63.846,
282.464

■ 50, 63.843,
282.478

■ 53, 57.618,
277.823

■ 57, 51.584,
273.294

■ 60, 45.601,
269.172

■ 64, 39.556,
265.554

■ 68, 33.369,
262.457

■ 73, 27.006,
259.847

■ 77, 20.465,
257.664

■ 81, 13.764,
255.846

■ 85, 6.934, 254.346

Harmonies

Complementary

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



50, 63.846, 282.464



59, 78.767, 58.285

Rectangle

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



50, 63.846, 282.464



50, 63.846, 332.464



50, 63.846, 102.464



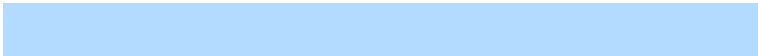
50, 63.846, 152.464

Sweetspot

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



50, 63.843, 282.478



86, 22.574, 257.704



79, 84.601, 147.211



44, 15.336, 258.586



0, 0.000, 0.000



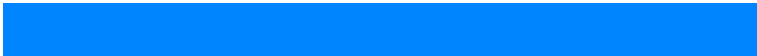
53, 0.007, 296.813

Same Dimension

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



50, 63.843, 282.478



56, 70.427, 282.814



29, 120.724, 305.975



45, 3.918, 254.272



39, 52.125, 281.646



8, 18.281, 272.188

Inverse Universe

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



49, 77.555, 0.510



55, 84.937, 0.816



85, 86.255, 100.682



44, 5.832, 343.217



38, 64.456, 359.770



6, 26.665, 353.092

Previews

White Background



This preview shows how the CIELCh color 50, 63.846, 282.464 looks on a white background.

Color Contrast Check

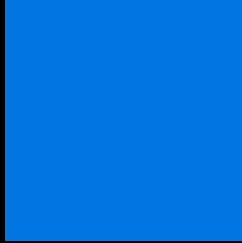
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.846, 282.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

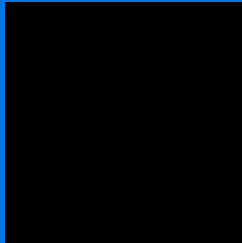
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

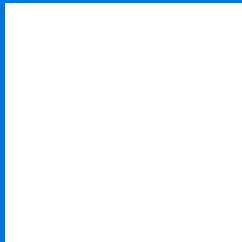
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 63.846, 282.464

Background



This preview shows how black text looks on a background with the CIELCh color 50, 63.846, 282.464.




This preview shows how white text looks on a background with the CIELCh color 50, 63.846, 282.464.

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, 63.846, 282.464

Protanomaly
50, 63.567, 284.633

Deuteranomaly
50, 57.971, 278.909

Tritanomaly
50, 34.139, 247.453

Monochromacy



Original Color
50, 63.846, 282.464

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, 63.846, 282.464 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 63.846, 282.464 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, 226) }
```

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

```
.border{ border-color:rgb(0, 118, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 63.846, 282.464 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, 226) }
```

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

```
.background{ background-color: rgb(0, 118,  
226) }
```

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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