

Converting Colors

CIELCh(48, 66.269, 284.587)

Have a look what the booklet for
CIELCh(48, 66.269, 284.587)
contains.

CIELCh(48, 65.768, 284.447)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 65.768, 284.447)

Conversions

Conversions Part 1

Format	Color
Hex	0070DF
RGB	0, 112, 223
RGB Percent	0%, 44%, 87%
CMY	1.0000, 0.5623, 0.1272
CMYK	1.00, 0.50, 0.00, 0.13
HSL	210°, 100%, 44%
HSV	210°, 100%, 87%
XYZ	18.9837, 16.7945, 71.7408
YIQ	91.1660, -102.3830, 10.7770

Conversions

Conversions Part 2

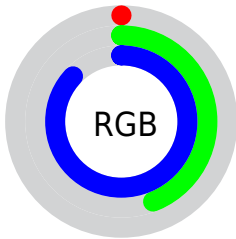
Format	Color
RYB	0, 75, 223
Decimal	28895
CIELab	48.00, 16.41, -63.69
CIELCh	48, 65.768, 284.447
Yxy	16.7945, 0.1766, 0.1562
Android (android.graphics.Color)	4278218975 (0xFF0070DF)
YUV	91.1660, 64.9942, -79.9526
Hunter-Lab	40.9810, 10.9701, -75.1055

Details

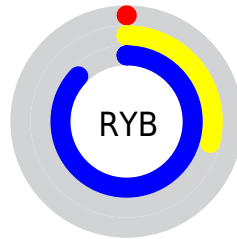
The CIELCh color **48, 65.768, 284.447** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **59, 77.160, 59.969**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 52.035, 278.561**, and **31, 63.686, 292.437** is the 20% darker color. If you saturate the color by 10%, you get **48, 65.754, 284.510**, and if you desaturate by 10%, it is **51, 59.167, 279.974**.

Distribution



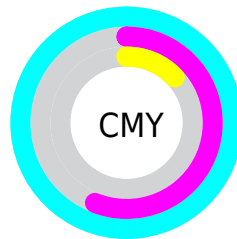
- Red (0%)
- Green (44%)
- Blue (87%)



- Red (0%)
- Yellow (29%)
- Blue (87%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (56%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 65.768, 284.447 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 48, 65.768, 284.447 by changing the saturation by 10% instead.

 48, 65.768,
284.447


 48, 65.768,
284.447

 100, 65.768,
284.447

 38, 65.768,
284.447

 68, 65.768,
284.447


 28, 65.768,
284.447

 78, 65.768,
284.447

 18, 65.768,
284.447


 88, 65.768,
284.447

 8, 65.768, 284.447

 98, 65.768,
284.447

 0, 65.768, 284.447

 48, 65.768,

 48, 65.768,

284.447

284.447

■ 48, 65.754,
284.510

■ 51, 59.167,
279.974

■ 55, 52.788,
275.531

■ 59, 46.500,
271.463

■ 63, 40.198,
267.874

■ 67, 33.805,
264.787

■ 71, 27.282,
262.172

■ 75, 20.623,
259.976

■ 80, 13.840,
258.140

Harmonies

Complementary

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



48, 65.768, 284.447



59, 77.160, 59.969

Rectangle

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



48, 65.768, 284.447



48, 65.768, 334.447



48, 65.768, 104.447



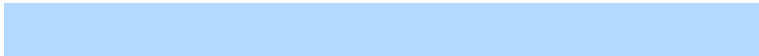
48, 65.768, 154.447

Sweetspot

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



48, 65.754, 284.510



85, 23.026, 260.022



78, 82.240, 148.022



43, 15.659, 260.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 65.754, 284.510



55, 73.433, 284.879



28, 120.042, 306.128



45, 3.979, 256.542



38, 54.314, 283.744



8, 18.924, 274.487

Inverse Universe

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



48, 76.416, 2.427



55, 84.645, 2.793



85, 86.353, 101.786



44, 5.752, 344.312



38, 64.193, 1.686



6, 26.446, 354.618

Previews

White Background



This preview shows how the CIE LCh color 48, 65.768, 284.447 looks on a white background.

Color Contrast Check

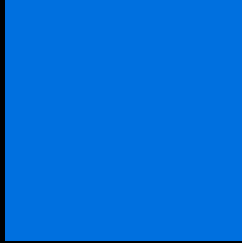
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 65.768, 284.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

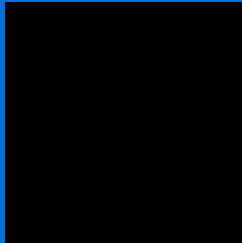
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

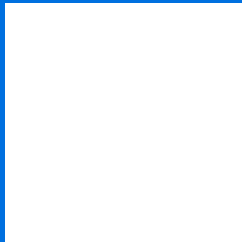
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 65.768, 284.447

Background



This preview shows how black text looks on a background with the CIELCh color 48, 65.768, 284.447.




This preview shows how white text looks on a background with the CIELCh color 48, 65.768, 284.447.

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
48, 28.802, 206.154

Trichromacy



Original Color
48, 65.768, 284.447

Protanomaly
48, 65.039, 285.597

Deuteranomaly
48, 57.121, 279.661

Tritanomaly
48, 33.946, 250.104

Monochromacy



Original Color
48, 65.768, 284.447

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 26.973, 267.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 65.768, 284.447 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, 112, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 65.768, 284.447 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, 112, 223) }
```

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

```
.border{ border-color:rgb(0, 112, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 65.768, 284.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 223) }
```

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

```
.background{ background-color: rgb(0, 112,  
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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