

Converting Colors

CIELCh(42, 58.658, 272.558)

Have a look what the booklet for
CIELCh(42, 58.658, 272.558)
contains.

CIELCh(44, 56.446, 281.412)	3
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Color

CIELCh(44, 56.446, 281.412)

Conversions

Conversions Part 1

Format	Color
Hex	0068C5
RGB	0, 104, 197
RGB Percent	0%, 41%, 77%
CMY	1.0000, 0.5934, 0.2289
CMYK	1.00, 0.47, 0.00, 0.23
HSL	208°, 100%, 39%
HSV	208°, 100%, 77%
XYZ	14.9315, 13.8382, 54.4808
YIQ	83.5060, -91.8370, 6.8750

Conversions

Conversions Part 2

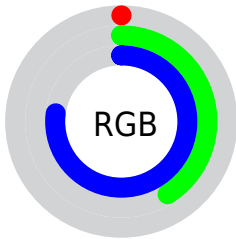
Format	Color
RYB	0, 68, 197
Decimal	26821
CIELab	44.00, 11.17, -55.33
CIELCh	44, 56.446, 281.412
Yxy	13.8382, 0.1794, 0.1662
Android (android.graphics.Color)	4278216901 (0xFF0068C5)
YUV	83.5060, 55.9525, -73.2348
Hunter-Lab	37.1997, 6.5479, -60.7933

Details

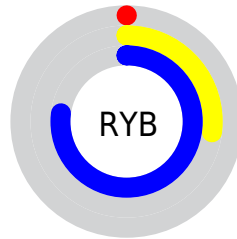
The CIELCh color **44, 56.446, 281.412** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **51, 71.004, 58.225**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 56.508, 281.623**, and **27, 54.427, 290.908** is the 20% darker color. If you saturate the color by 10%, you get **44, 56.432, 281.476**, and if you desaturate by 10%, it is **47, 50.985, 276.868**.

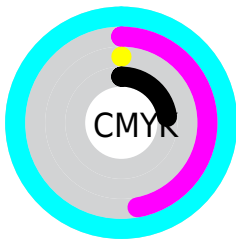
Distribution



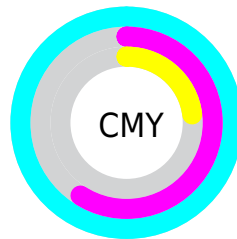
- Red (0%)
- Green (41%)
- Blue (77%)



- Red (0%)
- Yellow (27%)
- Blue (77%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (59%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 56.446, 281.412 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 44, 56.446, 281.412 by changing the saturation by 10% instead.


 44, 56.446,
281.412

 44, 56.446,
281.412


 100, 56.446,
281.412

 34, 56.446,
281.412

 64, 56.446,
281.412

 24, 56.446,
281.412

 74, 56.446,
281.412

 14, 56.446,
281.412

 84, 56.446,
281.412

 4, 56.446, 281.412

 94, 56.446,
281.412

 0, 56.446, 281.412

 44, 56.446,

 44, 56.446,

281.412

281.412

■ 44, 56.432,
281.476

■ 47, 50.985,
276.868

■ 50, 45.698,
272.384

■ 53, 40.440,
268.317

■ 57, 35.109,
264.756

■ 60, 29.639,
261.710

■ 64, 24.002,
259.144

■ 68, 18.197,
256.997

■ 72, 12.245,
255.209

Harmonies

Complementary

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



44, 56.446, 281.412



51, 71.004, 58.225

Rectangle

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



44, 56.446, 281.412



44, 56.446, 331.412



44, 56.446, 101.412



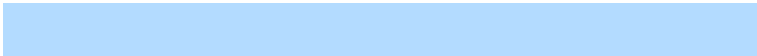
44, 56.446, 151.412

Sweetspot

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



44, 56.432, 281.476



86, 22.463, 257.089



70, 75.890, 147.426



44, 15.257, 257.968



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 56.432, 281.476



56, 69.662, 282.254



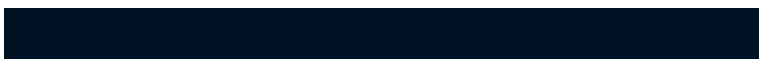
24, 108.555, 305.916



40, 3.534, 253.654



37, 48.513, 280.783



5, 13.582, 267.825

Inverse Universe

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



42, 70.035, 359.621



55, 85.032, 0.308



75, 77.743, 100.701



39, 5.298, 342.926



35, 61.091, 359.026



4, 18.137, 351.311

Previews

White Background



This preview shows how the CIE LCh color 44, 56.446, 281.412 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 44, 56.446, 281.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

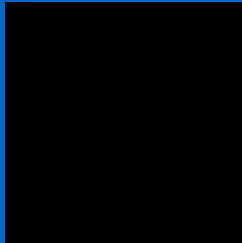
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 56.446, 281.412

Background



This preview shows how black text looks on a background with the CIELCh color 44, 56.446, 281.412.



This preview shows how white text looks on a background with the CIELCh color 44, 56.446, 281.412.

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
44, 26.936, 207.010

Trichromacy



Original Color
44, 56.446, 281.412

Protanomaly
44, 55.568, 283.730

Deuteranomaly
44, 52.110, 278.500

Tritanomaly
44, 31.001, 247.444

Monochromacy



Original Color
44, 56.446, 281.412

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 22.913, 262.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 56.446, 281.412 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, 104, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 197)  
}
```

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, 104, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 56.446, 281.412 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, 104, 197) }
```

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

```
.border{ border-color:rgb(0, 104, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 56.446, 281.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 197) }
```

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

```
.background{ background-color: rgb(0, 104,  
197) }
```

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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