

Converting Colors

CIELCh(46, 81.441, 291.882)

Have a look what the booklet for
CIELCh(46, 81.441, 291.882)
contains.

CIELCh(46, 81.298, 291.798)	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(46, 81.298, 291.798)

Conversions

Conversions Part 1

Format	Color
Hex	0664EE
RGB	6, 100, 238
RGB Percent	2%, 39%, 93%
CMY	0.9748, 0.6087, 0.0678
CMYK	0.97, 0.58, 0.00, 0.07
HSL	216°, 95%, 48%
HSV	216°, 97%, 93%
XYZ	20.0071, 15.2687, 82.5683
YIQ	87.6260, -100.3220, 22.9900

Conversions

Conversions Part 2

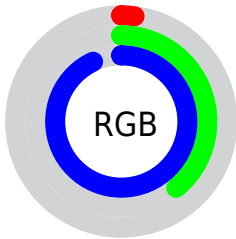
Format	Color
RYB	6, 73, 238
Decimal	419054
CIELab	46.00, 30.19, -75.49
CIELCh	46, 81.298, 291.798
Yxy	15.2687, 0.1698, 0.1296
Android (android.graphics.Color)	4278609134 (0xFF0664EE)
YUV	87.6260, 74.1344, -71.5860
Hunter-Lab	39.0751, 23.0133, -97.9310

Details

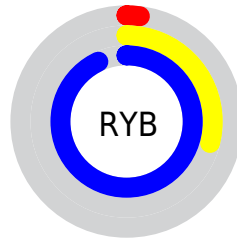
The CIELCh color **46, 81.298, 291.798** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **68, 77.727, 69.235**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 58.808, 286.262**, and **30, 79.008, 298.110** is the 20% darker color. If you saturate the color by 10%, you get **45, 83.757, 292.832**, and if you desaturate by 10%, it is **50, 72.325, 287.749**.

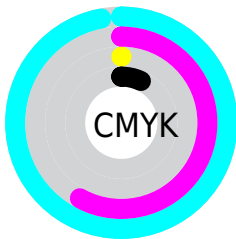
Distribution



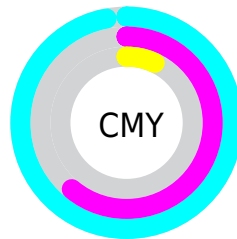
- Red (2%)
- Green (39%)
- Blue (93%)



- Red (2%)
- Yellow (29%)
- Blue (93%)



- Cyan (97%)
- Magenta (58%)
- Yellow (0%)
- Black (7%)



- Cyan (97%)
- Magenta (61%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 81.298, 291.798 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 46, 81.298, 291.798 by changing the saturation by 10% instead.

 46, 81.298,
291.798


 46, 81.298,
291.798


 100, 81.298,
291.798


 36, 81.298,
291.798

 66, 81.298,
291.798


 26, 81.298,
291.798

 76, 81.298,
291.798


 16, 81.298,
291.798

 86, 81.298,
291.798

 6, 81.298, 291.798

 96, 81.298,
291.798

 0, 81.298, 291.798

 46, 81.298,

 46, 81.298,

291.798

■ 45, 83.757,
292.832

291.798

■ 50, 72.325,
287.749

■ 54, 63.555,
283.776

■ 59, 55.008,
280.087

■ 64, 46.635,
276.791

■ 69, 38.374,
273.922

■ 74, 30.181,
271.462

■ 80, 22.032,
269.370

■ 85, 13.923,
267.597

Harmonies

Complementary

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



46, 81.298, 291.798



68, 77.727, 69.235

Rectangle

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



46, 81.298, 291.798



46, 81.298, 341.798



46, 81.298, 111.798



46, 81.298, 161.798

Sweetspot

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



46, 81.298, 291.800



84, 24.793, 269.725



83, 76.547, 153.959



42, 17.030, 270.605



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 81.298, 291.800



48, 88.684, 292.989



31, 125.200, 306.359



47, 4.597, 266.412



35, 67.816, 292.148



8, 25.300, 285.358

Inverse Universe

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



51, 79.867, 10.878



54, 84.942, 12.472



90, 91.867, 107.965



47, 5.703, 350.009



39, 66.222, 11.300



8, 28.851, 3.188

Previews

White Background



This preview shows how the CIE LCh color 46, 81.298, 291.798 looks on a white background.

Color Contrast Check

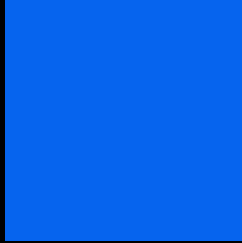
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 81.298, 291.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

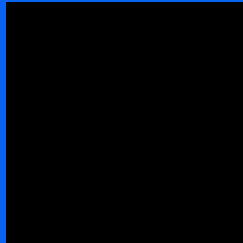
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

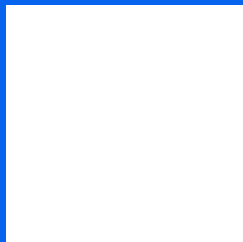
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 81.298, 291.798

Background



This preview shows how black text looks on a background with the CIELCh color 46, 81.298, 291.798.



This preview shows how white text looks on a background with the CIELCh color 46, 81.298, 291.798.

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



Original Color

46, 81.307, 291.759

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 48.843, 274.578



Tritanopia
46, 27.858, 205.294

Trichromacy



Original Color
46, 81.307, 291.759

Protanomaly
46, 74.063, 289.297

Deuteranomaly
46, 60.080, 282.806

Tritanomaly
45, 36.881, 260.049

Monochromacy



Original Color
46, 81.307, 291.759

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 31.591, 276.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 81.298, 291.798 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(6, 100, 238)` looks like.

```
.text, #text, p{  
    color:rgb(6, 100, 238)  
}
```

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(6, 100, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 100, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 81.298, 291.798 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(6, 100, 238) }
```

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

```
.border{ border-color:rgb(6, 100, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 100, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 100, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 100, 238);  
box-shadow:4px 4px 4px 4px rgb(6, 100,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 81.298, 291.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 100, 238) }
```

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

```
.background{ background-color: rgb(6, 100,  
238) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor