

Converting Colors

CIELCh(48, 84.234, 291.796)

Have a look what the booklet for
CIELCh(48, 84.234, 291.796)
contains.

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Color

CIELCh(48, 84.221, 291.850)

Conversions

Conversions Part 1

Format	Color
Hex	0568F8
RGB	5, 104, 248
RGB Percent	2%, 41%, 97%
CMY	0.9792, 0.5910, 0.0260
CMYK	0.98, 0.58, 0.00, 0.03
HSL	216°, 96%, 50%
HSV	216°, 98%, 97%
XYZ	22.0456, 16.7945, 91.1825
YIQ	90.8150, -105.2280, 23.7960

Conversions

Conversions Part 2

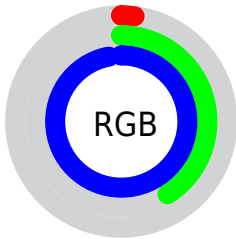
Format	Color
R _Y B	5, 75, 248
Decimal	354552
CIE Lab	48.00, 31.35, -78.17
CIE LCh	48, 84.221, 291.850
Yxy	16.7945, 0.1696, 0.1292
Android (android.graphics.Color)	4278544632 (0xFF0568F8)
YUV	90.8150, 77.4922, -75.2598
Hunter-Lab	40.9810, 24.3068, -103.2330

Details

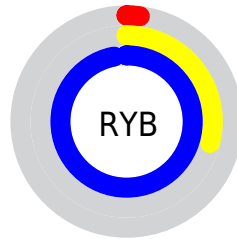
The CIELCh color **48, 84.221, 291.850** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **71, 80.635, 68.648**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 56.477, 285.103**, and **31, 81.386, 297.892** is the 20% darker color. If you saturate the color by 10%, you get **47, 86.218, 292.670**, and if you desaturate by 10%, it is **52, 74.986, 287.777**.

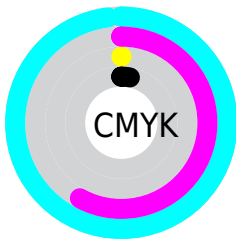
Distribution



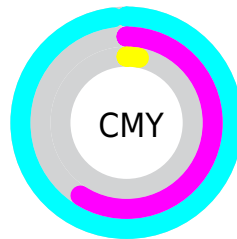
- Red (2%)
- Green (41%)
- Blue (97%)



- Red (2%)
- Yellow (29%)
- Blue (97%)



- Cyan (98%)
- Magenta (58%)
- Yellow (0%)
- Black (3%)



- Cyan (98%)
- Magenta (59%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 84.221, 291.850 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, 84.221, 291.850 by changing the saturation by 10% instead.

 48, 84.221,
291.850

 48, 84.221,
291.850


 100, 84.221,
291.850

 38, 84.221,
291.850

 68, 84.221,
291.850

 28, 84.221,
291.850

 78, 84.221,
291.850

 18, 84.221,
291.850


 88, 84.221,
291.850

 8, 84.221, 291.850

 98, 84.221,
291.850

 0, 84.221, 291.850

 48, 84.221,

 48, 84.221,

291.850

■ 47, 86.218,
292.670

291.850

■ 52, 74.986,
287.777

■ 57, 65.961,
283.763

■ 62, 57.166,
280.027

■ 67, 48.550,
276.684

■ 72, 40.046,
273.772

■ 77, 31.608,
271.275

■ 82, 23.209,
269.153

■ 88, 14.845,
267.356

Harmonies

Complementary

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



48, 84.221, 291.850



71, 80.635, 68.648

Rectangle

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



48, 84.221, 291.850



48, 84.221, 341.850



48, 84.221, 111.850



48, 84.221, 161.850

Sweetspot

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



48, 84.221, 291.852



84, 24.685, 269.385



87, 79.473, 153.771



42, 16.954, 270.266



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, 84.221, 291.852



48, 88.090, 292.729



32, 129.758, 306.386



49, 4.739, 266.075



36, 68.891, 291.963



9, 27.051, 285.865

Inverse Universe

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



53, 82.681, 10.935



54, 84.878, 12.104



93, 95.095, 107.991



49, 5.915, 349.784



40, 67.558, 11.049



10, 30.503, 3.798

Previews

White Background



This preview shows how the CIE LCh color 48, 84.221, 291.850 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 CIELCh color 48, 84.221, 291.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

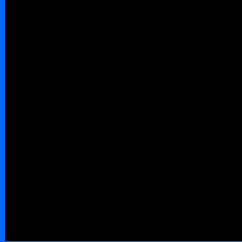
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

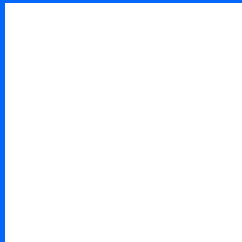
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 84.221, 291.850

Background



This preview shows how black text looks on a background with the CIELCh color 48, 84.221, 291.850.



This preview shows how white text looks on a background with the CIELCh color 48, 84.221, 291.850.

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

48, 84.213, 291.886

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 50.319, 274.513



Tritanopia
48, 28.876, 204.902

Trichromacy



Original Color
48, 84.213, 291.886

Protanomaly
48, 76.396, 289.228

Deuteranomaly
48, 61.988, 282.766

Tritanomaly
47, 38.417, 260.650

Monochromacy



Original Color
48, 84.213, 291.886

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 32.647, 276.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 84.221, 291.850 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(5, 104, 248)` looks like.

```
.text, #text, p{  
    color:rgb(5, 104, 248)  
}
```

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(5, 104, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 104, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 84.221, 291.850 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(5, 104, 248) }
```

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

```
.border{ border-color:rgb(5, 104, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 104, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(5, 104, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(5, 104, 248); box-shadow:4px 4px 4px 4px rgb(5, 104, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 84.221, 291.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 104, 248) }
```

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

```
.background{ background-color: rgb(5, 104,  
248) }
```

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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