

Converting Colors

CIELCh(68, 46.861, 288.715)

Have a look what the booklet for
CIELCh(68, 46.861, 288.715)
contains.

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Color

CIELCh(68, 46.861, 288.715)

Conversions

Conversions Part 1

Format	Color
Hex	90A1F6
RGB	144, 161, 246
RGB Percent	56%, 63%, 96%
CMY	0.4361, 0.3694, 0.0361
CMYK	0.41, 0.35, 0.00, 0.04
HSL	230°, 85%, 76%
HSV	230°, 41%, 96%
XYZ	40.7769, 37.9720, 92.1952
YIQ	165.6070, -37.4170, 22.8310

Conversions

Conversions Part 2

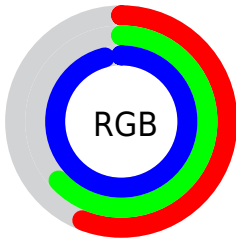
Format	Color
RYB	144, 159, 246
Decimal	9478646
CIELab	68.00, 15.04, -44.38
CIELCh	68, 46.861, 288.715
Yxy	37.9720, 0.2385, 0.2221
Android (android.graphics.Color)	4287668726 (0xFF90A1F6)
YUV	165.6070, 39.6337, -18.9493
Hunter-Lab	61.6215, 10.2818, -45.5720

Details

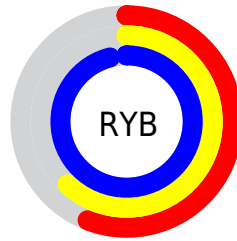
The CIELCh color **68, 46.861, 288.715** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91, 43.851, 97.535**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 20.895, 278.300**, and **48, 46.567, 288.541** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.222, 290.960**, and if you desaturate by 10%, it is **75, 34.949, 286.778**.

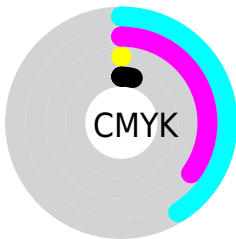
Distribution



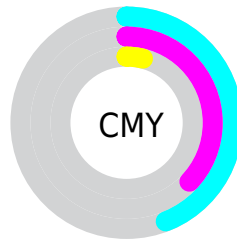
- Red (56%)
- Green (63%)
- Blue (96%)



- Red (56%)
- Yellow (62%)
- Blue (96%)



- Cyan (41%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)





- Cyan (44%)
- Magenta (37%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 46.861, 288.715 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 68, 46.861, 288.715 by changing the saturation by 10% instead.


 68, 46.861,
288.715


 68, 46.861,
288.715


 100, 46.861,
288.715


 58, 46.861,
288.715


 88, 46.861,
288.715

 48, 46.861,
288.715

 98, 46.861,
288.715

 38, 46.861,
288.715

 28, 46.861,
288.715

 18, 46.861,
288.715

 8, 46.861, 288.715

 0, 46.861, 288.715

■ 68, 46.861,
288.715

■ 68, 46.861,
288.715

■ 61, 59.222,
290.960

■ 75, 34.949,
286.778

■ 55, 72.033,
293.508

■ 82, 23.457,
285.122

■ 48, 85.184,
296.299

■ 89, 12.348,
283.713

■ 42, 98.301,
299.182

■ 96, 1.591, 282.594

■ 38, 110.542,
301.905

■ 100, 4.662,
109.813

■ 34, 119.294,
303.833

Harmonies

Complementary

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



68, 46.861, 288.715



91, 43.851, 97.535

Rectangle

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



68, 46.861, 288.715



68, 46.861, 338.715



68, 46.861, 108.715



68, 46.861, 158.715

Sweetspot

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



68, 46.860, 288.715



91, 13.291, 283.782



90, 34.099, 180.576



48, 8.834, 283.955



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 46.860, 288.715



64, 59.091, 290.627



66, 57.421, 305.375



47, 6.067, 283.457



25, 95.580, 303.452



5, 35.290, 296.713

Inverse Universe

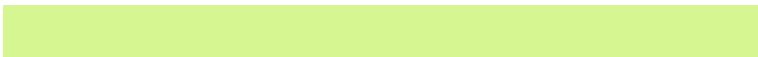
The Inverse Universe completely reimagines the original color for something new.



71, 41.160, 11.064



69, 51.715, 12.861



93, 52.646, 120.080



48, 5.194, 6.622



39, 75.012, 31.865



8, 30.130, 18.181

Previews

White Background



This preview shows how the CIELCh color 68, 46.861, 288.715 looks on a white background.

Color Contrast Check

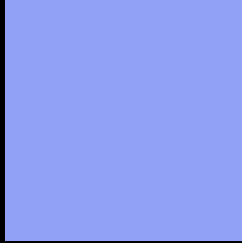
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 46.861, 288.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

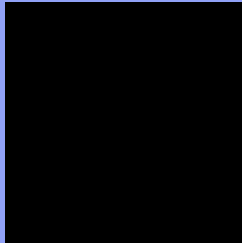
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 46.861, 288.715

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.861, 288.715.



This preview shows how white text looks on a background with the CIELCh color 68, 46.861, 288.715.

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

68, 46.861, 288.715

Protanopia

68, 46.511, 285.209

Deuteranopia

68, 45.149, 282.304



Tritanopia
68, 16.432, 226.524

Trichromacy



Original Color
68, 46.861, 288.715

Protanomaly
68, 46.967, 286.708

Deuteranomaly
68, 45.483, 284.499

Tritanomaly
68, 23.785, 264.222

Monochromacy



Original Color
68, 46.861, 288.715

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 17.190, 284.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.861, 288.715 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(144, 161, 246)` looks like.

```
.text, #text, p{  
    color:rgb(144, 161, 246)  
}
```

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(144, 161, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 161, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.861, 288.715 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(144, 161, 246) }
```

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

```
.border{ border-color:rgb(144, 161, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 161, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 161, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 161, 246);  
box-shadow:4px 4px 4px 4px rgb(144, 161,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.861, 288.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 161, 246) }
```

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

```
.background{ background-color: rgb(144,  
161, 246) }
```

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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