

Converting Colors

CIELCh(68, 46.102, 284.959)

Have a look what the booklet for
CIELCh(68, 46.102, 284.959)
contains.

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Color

CIELCh(68, 46.015, 284.696)

Conversions

Conversions Part 1

Format	Color
Hex	87A3F6
RGB	135, 163, 246
RGB Percent	53%, 64%, 96%
CMY	0.4708, 0.3610, 0.0355
CMYK	0.45, 0.34, 0.00, 0.04
HSL	225°, 86%, 75%
HSV	225°, 45%, 96%
XYZ	39.6959, 37.9720, 92.3800
YIQ	164.0900, -43.3310, 19.8770

Conversions

Conversions Part 2

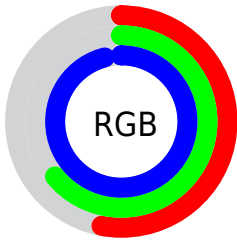
Format	Color
R _Y B	135, 157, 246
Decimal	8889334
CIE Lab	68.00, 11.67, -44.51
CIE LCh	68, 46.015, 284.696
Yxy	37.9720, 0.2334, 0.2233
Android (android.graphics.Color)	4287079414 (0xFF87A3F6)
YUV	164.0900, 40.3816, -25.5119
Hunter-Lab	61.6215, 7.1504, -45.7498

Details

The CIELCh color **68, 46.015, 284.696** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **88, 44.275, 91.401**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 20.881, 268.057**, and **48, 45.677, 284.497** is the 20% darker color. If you saturate the color by 10%, you get **62, 57.044, 287.210**, and if you desaturate by 10%, it is **74, 35.324, 282.523**.

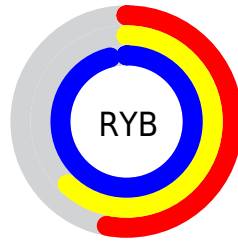
Distribution



Red (53%)

Green (64%)

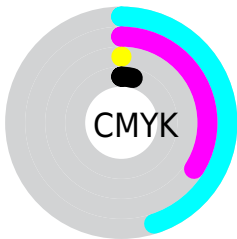
Blue (96%)



Red (53%)

Yellow (62%)

Blue (96%)

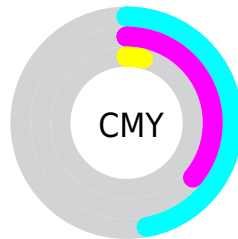


Cyan (45%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 46.015, 284.696 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, 46.015, 284.696 by changing the saturation by 10% instead.

 68, 46.015,
284.696

 68, 46.015,
284.696


 100, 46.015,
284.696


 58, 46.015,
284.696


 88, 46.015,
284.696


 48, 46.015,
284.696


 98, 46.015,
284.696

 38, 46.015,
284.696

 28, 46.015,
284.696

 18, 46.015,
284.696

 8, 46.015, 284.696

 0, 46.015, 284.696

■ 68, 46.015,
284.696

■ 68, 46.015,
284.696

■ 62, 57.044,
287.210

■ 74, 35.324,
282.523

■ 56, 68.441,
290.064

■ 81, 24.940,
280.662

■ 50, 80.173,
293.198

■ 87, 14.830,
279.076

■ 45, 92.048,
296.473

■ 94, 4.975, 277.743

■ 40, 103.573,
299.654

■ 100, 4.529,
109.364

■ 38, 108.833,
301.047

■ 100, 4.581,
109.819

Harmonies

Complementary

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



68, 46.015, 284.696



88, 44.275, 91.401

Rectangle

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



68, 46.015, 284.696



68, 46.015, 334.696



68, 46.015, 104.696



68, 46.015, 154.696

Sweetspot

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



68, 46.014, 284.696



91, 14.111, 278.916



90, 38.969, 173.565



47, 9.767, 279.232



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, 46.014, 284.696



65, 57.447, 286.936



63, 62.561, 303.186



48, 5.513, 278.290



28, 86.858, 300.529



6, 32.610, 294.344

Inverse Universe

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



69, 45.403, 5.320



67, 56.047, 7.290



93, 56.209, 116.381



48, 5.359, 0.200



39, 71.023, 25.313



9, 29.809, 14.053

Previews

White Background



This preview shows how the CIELCh color 68, 46.015, 284.696 looks on a white background.

Color Contrast Check

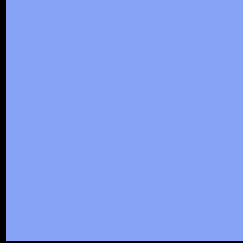
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 46.015, 284.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

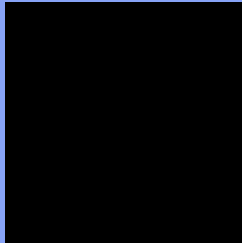
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 46.015, 284.696

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.015, 284.696.



This preview shows how white text looks on a background with the CIELCh color 68, 46.015, 284.696.

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, 46.015, 284.696

Protanopia

68, 46.493, 285.891

Deuteranopia

68, 45.675, 282.534



Tritanopia
68, 19.334, 221.791

Trichromacy



Original Color
68, 46.015, 284.696

Protanomaly
68, 46.526, 285.569

Deuteranomaly
68, 45.592, 283.166

Tritanomaly
68, 25.114, 258.224

Monochromacy



Original Color
68, 46.015, 284.696

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 16.883, 278.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.015, 284.696 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(135, 163, 246)` looks like.

```
.text, #text, p{  
    color:rgb(135, 163, 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(135, 163, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 163, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.015, 284.696 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(135, 163, 246) }
```

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

```
.border{ border-color:rgb(135, 163, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 163, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 163, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 163, 246);  
box-shadow:4px 4px 4px 4px rgb(135, 163,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.015, 284.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 163, 246) }
```

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

```
.background{ background-color: rgb(135,  
163, 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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