

Converting Colors

CIELCh(68, 48.713, 259.355)

Have a look what the booklet for
CIELCh(68, 48.713, 259.355)
contains.

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Color

CIELCh(68, 48.823, 259.486)

Conversions

Conversions Part 1

Format	Color
Hex	21AFFC
RGB	33, 175, 252
RGB Percent	13%, 69%, 99%
CMY	0.8713, 0.3140, 0.0121
CMYK	0.87, 0.31, 0.00, 0.01
HSL	201°, 97%, 56%
HSV	201°, 87%, 99%
XYZ	33.4921, 37.9720, 97.5887
YIQ	141.3200, -109.3490, -6.1570

Conversions

Conversions Part 2

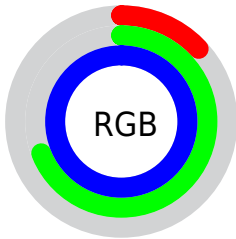
Format	Color
R _Y B	33, 119, 252
Decimal	2207740
CIE Lab	68.00, -8.91, -48.00
CIE LCh	68, 48.823, 259.486
Yxy	37.9720, 0.1981, 0.2246
Android (android.graphics.Color)	4280397820 (0xFF21AFFC)
YUV	141.3200, 54.5652, -94.9966
Hunter-Lab	61.6215, -10.8203, -50.7614

Details

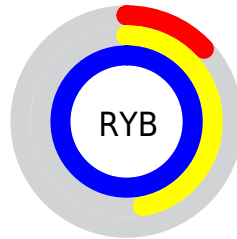
The CIELCh color **68, 48.823, 259.486** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **63, 81.903, 51.698**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 33.286, 221.022**, and **50, 45.416, 268.082** is the 20% darker color. If you saturate the color by 10%, you get **65, 52.587, 264.596**, and if you desaturate by 10%, it is **71, 44.895, 254.913**.

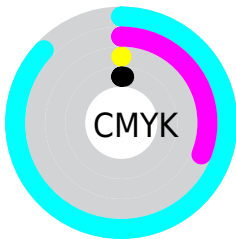
Distribution



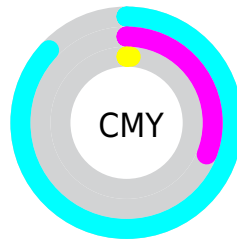
- Red (13%)
- Green (69%)
- Blue (99%)



- Red (13%)
- Yellow (47%)
- Blue (99%)



- Cyan (87%)
- Magenta (31%)
- Yellow (0%)
- Black (1%)



- Cyan (87%)
- Magenta (31%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 48.823, 259.486 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, 48.823, 259.486 by changing the saturation by 10% instead.

 68, 48.823,
259.486

 68, 48.823,
259.486

 100, 48.823,
259.486

 58, 48.823,
259.486

 88, 48.823,
259.486

 48, 48.823,
259.486

 98, 48.823,
259.486

 38, 48.823,
259.486

 28, 48.823,
259.486

 18, 48.823,
259.486

 8, 48.823, 259.486

 0, 48.823, 259.486

68, 48.823,
259.486

68, 48.823,
259.486

65, 52.587,
264.596

71, 44.895,
254.913

64, 53.756,
266.147

74, 40.609,
250.992

77, 35.848,
247.725

81, 30.569,
245.053

85, 24.786,
242.892

88, 18.550,
241.156

92, 11.929,
239.770

96, 4.993, 238.705

100, 1.353,
103.969

Harmonies

Complementary

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



68, 48.823, 259.486



63, 81.903, 51.698

Rectangle

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



68, 48.823, 259.486



68, 48.823, 309.486



68, 48.823, 79.486



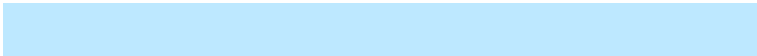
68, 48.823, 129.486

Sweetspot

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



68, 48.822, 259.487



90, 18.097, 241.009



87, 94.054, 145.059



46, 12.167, 241.556



0, 0.000, 0.000



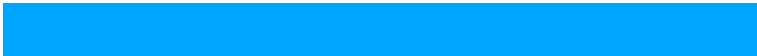
53, 0.007, 296.813

Same Dimension

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



68, 48.822, 259.487



65, 54.277, 266.183



40, 109.398, 301.341



50, 4.025, 238.938



49, 42.756, 265.153



15, 17.884, 257.518

Inverse Universe

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



57, 87.378, 346.277



56, 89.194, 349.409



88, 83.727, 93.350



49, 6.960, 337.094



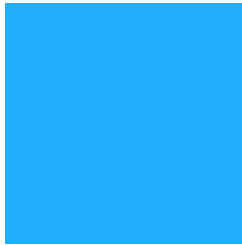
42, 71.374, 348.888



10, 33.145, 345.448

Previews

White Background



This preview shows how the CIE LCh color 68, 48.823, 259.486 looks on a white background.

Color Contrast Check

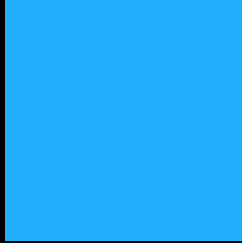
Large Text (above 18pt) WCAG AA × Fail

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, 48.823, 259.486 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

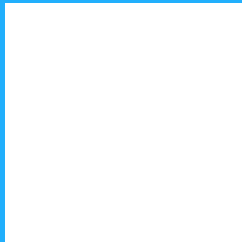
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 48.823, 259.486

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.823, 259.486.

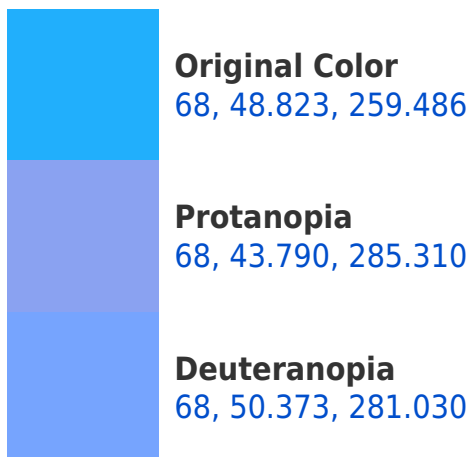


This preview shows how white text looks on a background with the CIELCh color 68, 48.823, 259.486.

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
68, 37.707, 208.609

Trichromacy



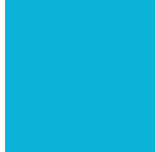
Original Color
68, 48.823, 259.486



Protanomaly
67, 45.354, 271.911



Deuteranomaly
67, 49.518, 271.480



Tritanomaly
68, 38.276, 229.805

Monochromacy



Original Color
68, 48.823, 259.486



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 22.035, 244.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.823, 259.486 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(33, 175, 252)` looks like.

```
.text, #text, p{  
    color:rgb(33, 175, 252)  
}
```

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(33, 175, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 175, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.823, 259.486 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(33, 175, 252) }
```

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

```
.border{ border-color:rgb(33, 175, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 175, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 175, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 175, 252);  
box-shadow:4px 4px 4px 4px rgb(33, 175,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.823, 259.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 175, 252) }
```

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

```
.background{ background-color: rgb(33, 175,  
252) }
```

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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