

Converting Colors

CIELCh(68, 46.557, 257.764)

Have a look what the booklet for
CIELCh(68, 46.557, 257.764)
contains.

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Color

CIELCh(68, 46.460, 257.702)

Conversions

Conversions Part 1

Format	Color
Hex	2CAFF7
RGB	44, 175, 247
RGB Percent	17%, 69%, 97%
CMY	0.8264, 0.3132, 0.0309
CMYK	0.82, 0.29, 0.00, 0.03
HSL	201°, 93%, 57%
HSV	201°, 82%, 97%
XYZ	33.2122, 37.9720, 93.6804
YIQ	144.0390, -101.1880, -5.3800

Conversions

Conversions Part 2

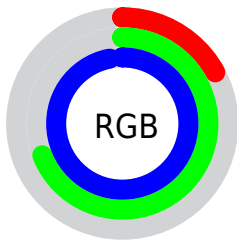
Format	Color
R _{YB}	44, 124, 247
Decimal	2928631
CIE Lab	68.00, -9.90, -45.39
CIE LCh	68, 46.460, 257.702
Yxy	37.9720, 0.2015, 0.2303
Android (android.graphics.Color)	4281118711 (0xFF2CAFF7)
YUV	144.0390, 50.7598, -87.7342
Hunter-Lab	61.6215, -11.6313, -47.0010

Details

The CIELCh color **68, 46.460, 257.702** 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 **64, 75.855, 52.474**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 32.527, 221.644**, and **49, 43.090, 265.380** is the 20% darker color. If you saturate the color by 10%, you get **65, 50.289, 262.572**, and if you desaturate by 10%, it is **71, 42.376, 253.439**.

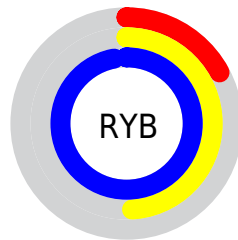
Distribution



Red (17%)

Green (69%)

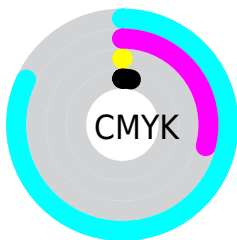
Blue (97%)



Red (17%)

Yellow (49%)

Blue (97%)

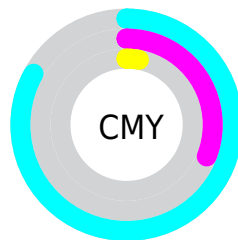


Cyan (82%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (83%)


Magenta (31%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 46.460, 257.702 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, 46.460, 257.702 by changing the saturation by 10% instead.


 68, 46.460,
257.702

 68, 46.460,
257.702


 100, 46.460,
257.702


 58, 46.460,
257.702


 88, 46.460,
257.702

 48, 46.460,
257.702

 98, 46.460,
257.702

 38, 46.460,
257.702

 28, 46.460,
257.702

 18, 46.460,
257.702

 8, 46.460, 257.702

 0, 46.460, 257.702

68, 46.460,
257.702

68, 46.460,
257.702

65, 50.289,
262.572

71, 42.376,
253.439

63, 53.314,
266.663

74, 37.885,
249.834

78, 32.907,
246.857

81, 27.430,
244.434

85, 21.487,
242.478

89, 15.136,
240.908

92, 8.446, 239.662

96, 1.485, 238.941

100, 3.524,
104.583

Harmonies

Complementary

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



68, 46.460, 257.702



64, 75.855, 52.474

Rectangle

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



68, 46.460, 257.702



68, 46.460, 307.702



68, 46.460, 77.702



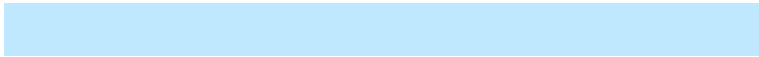
68, 46.460, 127.702

Sweetspot

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



68, 46.459, 257.703



90, 17.463, 241.336



86, 89.098, 146.064



47, 11.818, 241.884



0, 0.000, 0.000



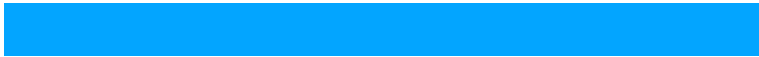
53, 0.007, 296.813

Same Dimension

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



68, 46.459, 257.703



65, 54.255, 266.250



42, 101.534, 300.005



49, 3.960, 239.391



48, 42.586, 265.675



14, 17.415, 257.634

Inverse Universe

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



57, 84.452, 345.522



56, 89.017, 349.446



87, 80.195, 93.908



48, 6.826, 337.251



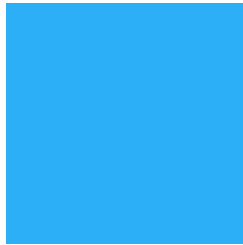
41, 70.530, 349.150



9, 32.231, 345.495

Previews

White Background



This preview shows how the CIE LCh color 68, 46.460, 257.702 looks on a white background.

Color Contrast Check

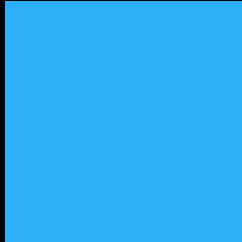
Large Text (above 18pt) WCAG AA × Fail

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, 46.460, 257.702 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

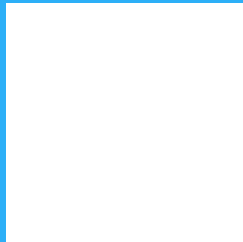
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 46.460, 257.702

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.460, 257.702.



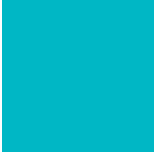
This preview shows how white text looks on a background with the CIELCh color 68, 46.460, 257.702.

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



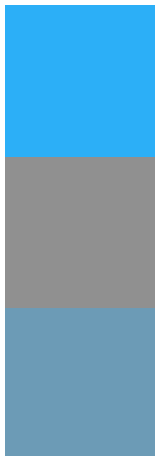
Original Color
68, 46.460, 257.702

Protanomaly
67, 42.533, 271.509

Deuteranomaly
67, 47.203, 271.381

Tritanomaly
68, 37.858, 228.193

Monochromacy



Original Color
68, 46.460, 257.702

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 20.917, 245.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.460, 257.702 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(44, 175, 247)` looks like.

```
.text, #text, p{  
    color:rgb(44, 175, 247)  
}
```

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(44, 175, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 175, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.460, 257.702 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(44, 175, 247) }
```

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

```
.border{ border-color:rgb(44, 175, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 175, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 175, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 175, 247);  
box-shadow:4px 4px 4px 4px rgb(44, 175,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.460, 257.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 175, 247) }
```

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

```
.background{ background-color: rgb(44, 175,  
247) }
```

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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