

Converting Colors

CIELCh(68, 43.442, 257.423)

Have a look what the booklet for
CIELCh(68, 43.442, 257.423)
contains.

CIELCh(68, 43.426, 257.254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 43.426, 257.254)

Conversions

Conversions Part 1

Format	Color
Hex	3FAFF2
RGB	63, 175, 242
RGB Percent	25%, 69%, 95%
CMY	0.7512, 0.3152, 0.0525
CMYK	0.74, 0.28, 0.00, 0.05
HSL	203°, 87%, 60%
HSV	203°, 74%, 95%
XYZ	33.3013, 37.9720, 89.2632
YIQ	149.1500, -88.2590, -2.9070

Conversions

Conversions Part 2

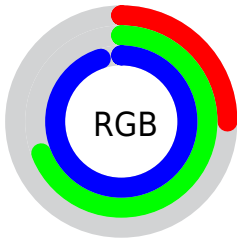
Format	Color
R _{YB}	63, 132, 242
Decimal	4173810
CIE Lab	68.00, -9.58, -42.36
CIE LCh	68, 43.426, 257.254
Yxy	37.9720, 0.2074, 0.2365
Android (android.graphics.Color)	4282363890 (0xFF3FAFF2)
YUV	149.1500, 45.7750, -75.5536
Hunter-Lab	61.6215, -11.3731, -42.7509

Details

The CIELCh color **68, 43.426, 257.254** 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 **66, 65.546, 54.843**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.543, 223.418**, and **49, 41.289, 263.007** is the 20% darker color. If you saturate the color by 10%, you get **65, 47.754, 261.666**, and if you desaturate by 10%, it is **71, 38.782, 253.474**.

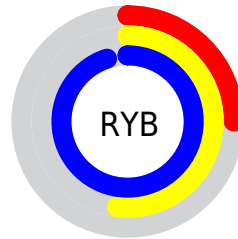
Distribution



Red (25%)

Green (69%)

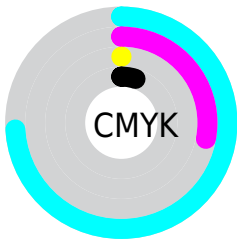
Blue (95%)



Red (25%)

Yellow (52%)

Blue (95%)

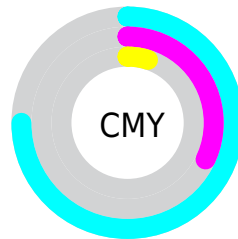


Cyan (74%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (75%)


Magenta (32%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 43.426, 257.254 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, 43.426, 257.254 by changing the saturation by 10% instead.


 68, 43.426,
257.254


 68, 43.426,
257.254


 100, 43.426,
257.254


 58, 43.426,
257.254


 88, 43.426,
257.254

 48, 43.426,
257.254

 98, 43.426,
257.254

 38, 43.426,
257.254

 28, 43.426,
257.254

 18, 43.426,
257.254

 8, 43.426, 257.254

 0, 43.426, 257.254

68, 43.426,
257.254

68, 43.426,
257.254

65, 47.754,
261.666

71, 38.782,
253.474

62, 51.931,
266.618

75, 33.730,
250.316

60, 54.587,
269.821

78, 28.242,
247.721

82, 22.334,
245.608

86, 16.054,
243.897

90, 9.462, 242.523

94, 2.620, 241.530

98, 3.969, 66.087

100, 6.782,
109.659

Harmonies

Complementary

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



68, 43.426, 257.254



66, 65.546, 54.843

Rectangle

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



68, 43.426, 257.254



68, 43.426, 307.254



68, 43.426, 77.254



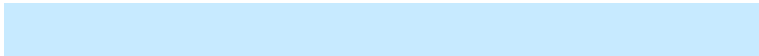
68, 43.426, 127.254

Sweetspot

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



68, 43.425, 257.255



91, 15.592, 243.645



85, 79.790, 148.334



47, 10.421, 244.059



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, 43.425, 257.255



67, 51.717, 263.843



45, 90.636, 298.324



48, 3.915, 242.033



46, 43.863, 268.857



13, 17.370, 260.380

Inverse Universe

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



58, 78.035, 345.327



57, 87.248, 348.269



87, 74.404, 95.949



47, 6.610, 338.193



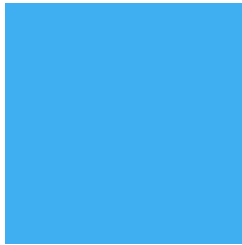
40, 69.067, 350.840



9, 31.030, 346.658

Previews

White Background



This preview shows how the CIE LCh color 68, 43.426, 257.254 looks on a white background.

Color Contrast Check

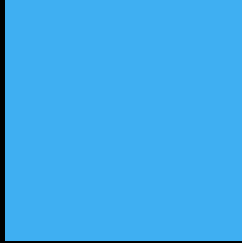
Large Text (above 18pt) WCAG AA × Fail

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, 43.426, 257.254 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

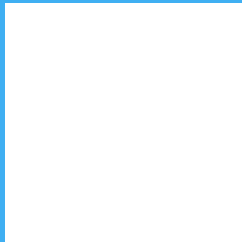
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 43.426, 257.254

Background



This preview shows how black text looks on a background with the CIELCh color 68, 43.426, 257.254.



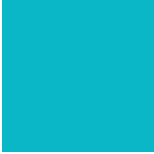
This preview shows how white text looks on a background with the CIELCh color 68, 43.426, 257.254.

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, 37.371, 209.633

Trichromacy



Original Color
68, 43.492, 257.110

Protanomaly
67, 39.519, 271.879

Deuteranomaly
68, 43.608, 271.691

Tritanomaly
68, 37.143, 227.871

Monochromacy



Original Color
68, 43.492, 257.110

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 18.807, 247.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 43.426, 257.254 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(63, 175, 242)` looks like.

```
.text, #text, p{  
    color:rgb(63, 175, 242)  
}
```

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(63, 175, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 175, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 43.426, 257.254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

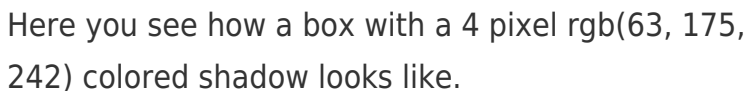
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 175, 242) }
```

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

```
.border{ border-color:rgb(63, 175, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 175, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 175, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 175, 242); box-shadow:4px 4px 4px 4px rgb(63, 175, 242) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 43.426, 257.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 175, 242) }
```

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

```
.background{ background-color: rgb(63, 175,  
242) }
```

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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