

Converting Colors

CIELCh(69, 46.511, 258.646)

Have a look what the booklet for
CIELCh(69, 46.511, 258.646)
contains.

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Color

CIELCh(69, 46.500, 258.776)

Conversions

Conversions Part 1

Format	Color
Hex	37B1FA
RGB	55, 177, 250
RGB Percent	22%, 69%, 98%
CMY	0.7852, 0.3042, 0.0178
CMYK	0.78, 0.29, 0.00, 0.02
HSL	202°, 96%, 60%
HSV	202°, 78%, 98%
XYZ	34.6921, 39.3444, 96.5773
YIQ	148.8440, -96.1450, -3.1610

Conversions

Conversions Part 2

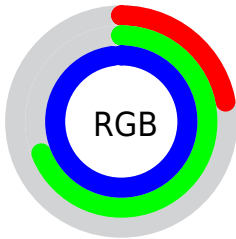
Format	Color
R _{YB}	55, 130, 250
Decimal	3650042
CIE Lab	69.00, -9.05, -45.61
CIE LCh	69, 46.500, 258.776
Yxy	39.3444, 0.2033, 0.2306
Android (android.graphics.Color)	4281840122 (0xFF37B1FA)
YUV	148.8440, 49.8699, -82.3012
Hunter-Lab	62.7251, -11.0439, -47.3807

Details

The CIELCh color **69, 46.500, 258.776** 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 **67, 72.134, 54.234**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 31.535, 220.332**, and **50, 43.602, 265.392** is the 20% darker color. If you saturate the color by 10%, you get **66, 50.806, 263.459**, and if you desaturate by 10%, it is **72, 41.927, 254.706**.

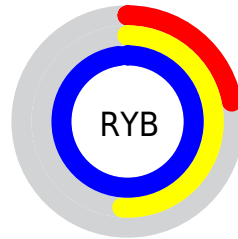
Distribution



Red (22%)

Green (69%)

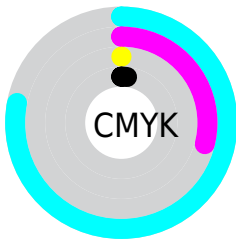
Blue (98%)



Red (22%)

Yellow (51%)

Blue (98%)

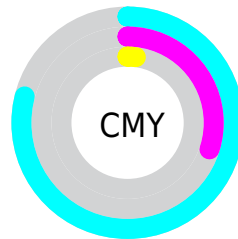


Cyan (78%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (79%)


Magenta (30%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 46.500, 258.776 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 69, 46.500, 258.776 by changing the saturation by 10% instead.

 69, 46.500,
258.776

 69, 46.500,
258.776


 100, 46.500,
258.776


 59, 46.500,
258.776


 89, 46.500,
258.776

 49, 46.500,
258.776

 99, 46.500,
258.776

 39, 46.500,
258.776

 29, 46.500,
258.776

 19, 46.500,
258.776

 9, 46.500, 258.776

 0, 46.500, 258.776

69, 46.500,
258.776

69, 46.500,
258.776

66, 50.806,
263.459

72, 41.927,
254.706

63, 55.051,
268.586

76, 36.960,
251.275

63, 55.871,
269.527

79, 31.540,
248.441

83, 25.668,
246.130

87, 19.383,
244.256

91, 12.743,
242.746

95, 5.813, 241.558

99, 1.312, 61.315

100, 2.297,
109.973

Harmonies

Complementary

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



69, 46.500, 258.776



67, 72.134, 54.234

Rectangle

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



69, 46.500, 258.776



69, 46.500, 308.776



69, 46.500, 78.776



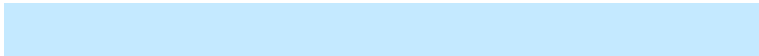
69, 46.500, 128.776

Sweetspot

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



69, 46.499, 258.777



90, 16.250, 243.443



87, 85.736, 147.476



47, 11.165, 244.009



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 46.499, 258.777



65, 54.057, 266.485



44, 99.363, 299.568



50, 4.047, 241.699



48, 44.592, 268.560



14, 18.474, 260.926

Inverse Universe

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



58, 82.781, 345.975



56, 88.121, 349.578



89, 79.583, 95.474



49, 6.853, 338.073



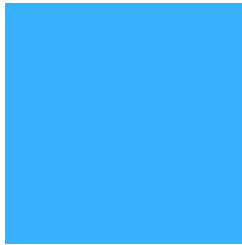
41, 70.559, 350.675



10, 32.762, 346.899

Previews

White Background



This preview shows how the CIE LCh color 69, 46.500, 258.776 looks on a white background.

Color Contrast Check

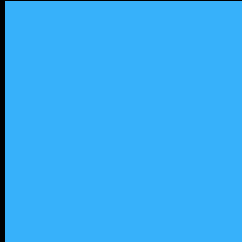
Large Text (above 18pt) WCAG AA × Fail

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 69, 46.500, 258.776 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

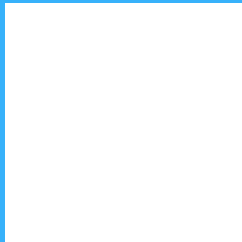
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 46.500, 258.776

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.500, 258.776.



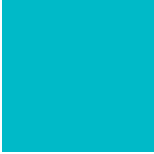
This preview shows how white text looks on a background with the CIELCh color 69, 46.500, 258.776.

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
69, 38.175, 208.421

Trichromacy



Original Color
69, 46.448, 258.888



Protanomaly
69, 42.785, 272.263



Deuteranomaly
69, 46.927, 271.805



Tritanomaly
69, 38.122, 227.848

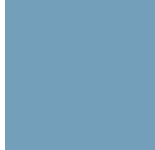
Monochromacy



Original Color
69, 46.448, 258.888



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 20.301, 246.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.500, 258.776 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(55, 177, 250)` looks like.

```
.text, #text, p{  
    color:rgb(55, 177, 250)  
}
```

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(55, 177, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 177, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.500, 258.776 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(55, 177, 250) }
```

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

```
.border{ border-color:rgb(55, 177, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 177, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 177, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 177, 250);  
box-shadow:4px 4px 4px 4px rgb(55, 177,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.500, 258.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 177, 250) }
```

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

```
.background{ background-color: rgb(55, 177,  
250) }
```

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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