

Converting Colors

CIELCh(61, 48.404, 255.135)

Have a look what the booklet for
CIELCh(61, 48.404, 255.135)
contains.

CIELCh(62, 46.212, 258.742)	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(62, 46.212, 258.742)

Conversions

Conversions Part 1

Format	Color
Hex	049FE6
RGB	4, 159, 230
RGB Percent	2%, 62%, 90%
CMY	0.9843, 0.3778, 0.0991
CMYK	0.98, 0.31, 0.00, 0.10
HSL	199°, 97%, 46%
HSV	199°, 98%, 90%
XYZ	26.6323, 30.4025, 79.1187
YIQ	120.7490, -115.1710, -10.7790

Conversions

Conversions Part 2

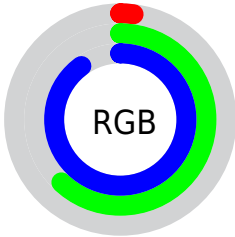
Format	Color
RYB	4, 96, 230
Decimal	303078
CIELab	62.00, -9.02, -45.32
CIELCh	62, 46.212, 258.742
Yxy	30.4025, 0.1956, 0.2233
Android (android.graphics.Color)	4278493158 (0xFF049FE6)
YUV	120.7490, 53.8607, -102.3889
Hunter-Lab	55.1385, -10.2755, -46.4788

Details

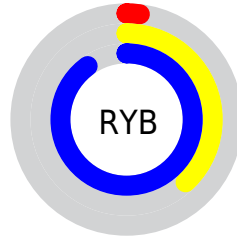
The CIELCh color **62, 46.212, 258.742** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **54, 85.930, 47.877**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 35.266, 237.587**, and **44, 42.309, 269.143** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.706, 259.611**, and if you desaturate by 10%, it is **64, 43.445, 253.731**.

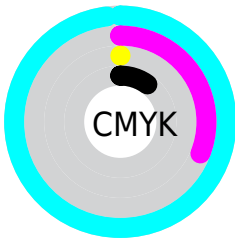
Distribution



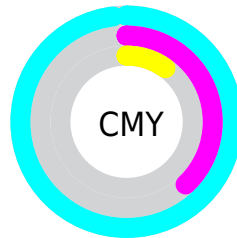
- Red (2%)
- Green (62%)
- Blue (90%)



- Red (2%)
- Yellow (38%)
- Blue (90%)



- Cyan (98%)
- Magenta (31%)
- Yellow (0%)
- Black (10%)




- Cyan (98%)
- Magenta (38%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 46.212, 258.742 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 62, 46.212, 258.742 by changing the saturation by 10% instead.


 62, 46.212,
258.742

 62, 46.212,
258.742


 100, 46.212,
258.742

 52, 46.212,
258.742


 82, 46.212,
258.742

 42, 46.212,
258.742

 92, 46.212,
258.742

 32, 46.212,
258.742

 22, 46.212,
258.742

 12, 46.212,
258.742

 2, 46.212, 258.742

 0, 46.212, 258.742

■ 62, 46.212,
258.742

■ 62, 46.212,
258.742

■ 62, 46.706,
259.611

■ 64, 43.445,
253.731

■ 67, 40.444,
249.288

■ 69, 37.008,
245.529

■ 72, 33.032,
242.435

■ 75, 28.485,
239.934

■ 78, 23.390,
237.936

■ 82, 17.804,
236.351

■ 85, 11.800,

235.104

■ 88, 5.454, 234.158

Harmonies

Complementary

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



62, 46.212, 258.742



54, 85.930, 47.877

Rectangle

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



62, 46.212, 258.742



62, 46.212, 308.742



62, 46.212, 78.742



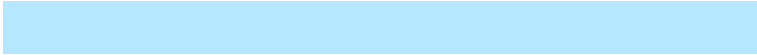
62, 46.212, 128.742

Sweetspot

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



62, 46.211, 258.743



89, 19.834, 236.479



80, 97.733, 141.166



46, 13.441, 237.128



0, 0.000, 0.000



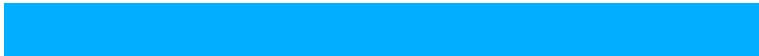
53, 0.007, 296.813

Same Dimension

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



62, 46.211, 258.743



68, 50.702, 259.935



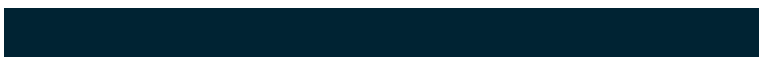
34, 107.767, 302.398



46, 3.738, 234.253



49, 38.335, 258.685



12, 14.967, 249.440

Inverse Universe

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



51, 84.253, 345.956



56, 91.113, 346.464



77, 78.575, 87.898



45, 6.661, 335.513



39, 70.015, 345.931



7, 30.259, 342.435

Previews

White Background



This preview shows how the CIE LCh color 62, 46.212, 258.742 looks on a white background.

Color Contrast Check

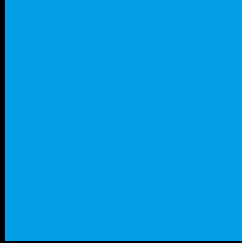
Large Text (above 18pt) WCAG AA × Fail

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 62, 46.212, 258.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

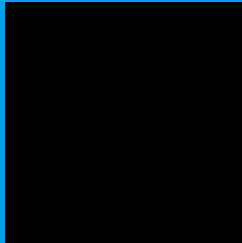
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

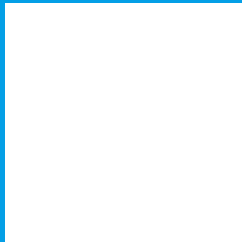
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 46.212, 258.742

Background



This preview shows how black text looks on a background with the CIELCh color 62, 46.212, 258.742.

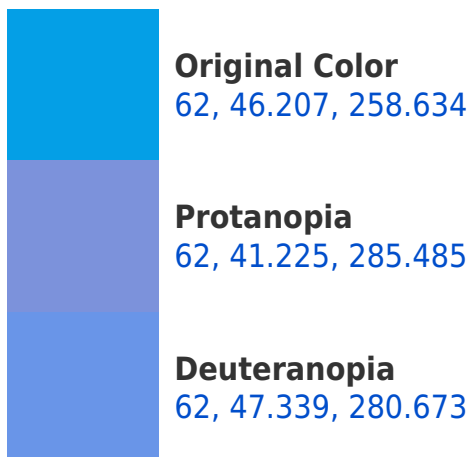


This preview shows how white text looks on a background with the CIELCh color 62, 46.212, 258.742.

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



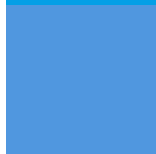


Tritanopia
62, 35.117, 207.831

Trichromacy



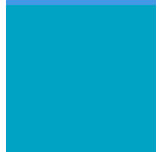
Original Color
62, 46.207, 258.634



Protanomaly
61, 43.192, 269.854



Deuteranomaly
61, 46.810, 269.485



Tritanomaly
62, 35.849, 229.768

Monochromacy



Original Color
62, 46.207, 258.634



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 22.592, 240.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 46.212, 258.742 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(4, 159, 230)` looks like.

```
.text, #text, p{  
    color:rgb(4, 159, 230)  
}
```

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(4, 159, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 159, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 46.212, 258.742 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(4, 159, 230) }
```

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

```
.border{ border-color:rgb(4, 159, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 159, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 159, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 159, 230);  
box-shadow:4px 4px 4px 4px rgb(4, 159,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 46.212, 258.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 159, 230) }
```

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

```
.background{ background-color: rgb(4, 159,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor