

Converting Colors

CIELCh(62, 48.412, 263.857)

Have a look what the booklet for
CIELCh(62, 48.412, 263.857)
contains.

CIELCh(62, 48.513, 263.963)	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, 48.513, 263.963)

Conversions

Conversions Part 1

Format	Color
Hex	1E9DEB
RGB	30, 157, 235
RGB Percent	12%, 62%, 92%
CMY	0.8819, 0.3842, 0.0783
CMYK	0.87, 0.33, 0.00, 0.08
HSL	203°, 84%, 52%
HSV	203°, 87%, 92%
XYZ	27.6010, 30.4025, 83.0379
YIQ	127.9190, -100.7300, -2.6660

Conversions

Conversions Part 2

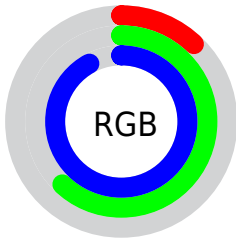
Format	Color
RYB	30, 108, 235
Decimal	2006507
CIELab	62.00, -5.10, -48.24
CIELCh	62, 48.513, 263.963
Yxy	30.4025, 0.1957, 0.2156
Android (android.graphics.Color)	4280196587 (0xFF1E9DEB)
YUV	127.9190, 52.7909, -85.8750
Hunter-Lab	55.1385, -7.1396, -50.6930

Details

The CIELCh color **62, 48.513, 263.963** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **60, 76.583, 53.790**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 34.452, 241.298**, and **44, 45.812, 273.289** is the 20% darker color. If you saturate the color by 10%, you get **59, 52.697, 269.029**, and if you desaturate by 10%, it is **65, 44.260, 259.360**.

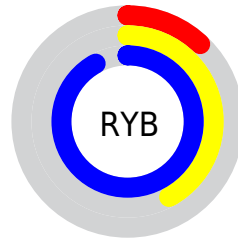
Distribution



Red (12%)

Green (62%)

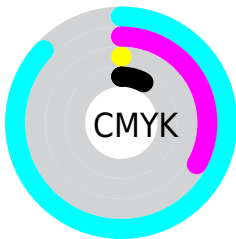
Blue (92%)



Red (12%)

Yellow (42%)

Blue (92%)

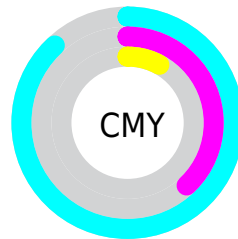


Cyan (87%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (88%)


Magenta (38%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 48.513, 263.963 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, 48.513, 263.963 by changing the saturation by 10% instead.


 62, 48.513,
263.963

 62, 48.513,
263.963

 100, 48.513,
263.963

 52, 48.513,
263.963


 82, 48.513,
263.963

 42, 48.513,
263.963


 92, 48.513,
263.963

 32, 48.513,
263.963

 22, 48.513,
263.963

 12, 48.513,
263.963

 2, 48.513, 263.963

 0, 48.513, 263.963

■ 62, 48.513,
263.963

■ 62, 48.513,
263.963

■ 59, 52.697,
269.029

■ 65, 44.260,
259.360

■ 58, 53.913,
270.435

■ 68, 39.761,
255.360

■ 72, 34.901,
251.987

■ 75, 29.629,
249.197

■ 79, 23.949,
246.916

■ 82, 17.897,
245.062

■ 86, 11.527,
243.564

■ 90, 4.899, 242.389

Harmonies

Complementary

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



62, 48.513, 263.963



60, 76.583, 53.790

Rectangle

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



62, 48.513, 263.963



62, 48.513, 313.963



62, 48.513, 83.963



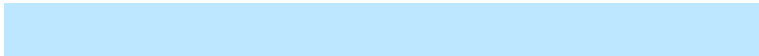
62, 48.513, 133.963

Sweetspot

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



62, 48.512, 263.964



89, 18.324, 244.886



82, 87.939, 145.717



46, 12.333, 245.474



0, 0.000, 0.000



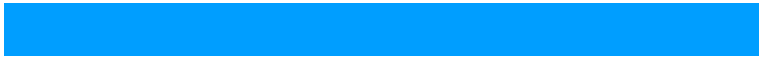
53, 0.007, 296.813

Same Dimension

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



62, 48.512, 263.964



63, 57.539, 270.682



36, 105.575, 301.868



47, 3.852, 242.624



46, 43.783, 269.503



12, 16.892, 260.552

Inverse Universe

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



53, 81.575, 348.331



56, 87.865, 351.886



83, 80.217, 94.572



46, 6.472, 338.408



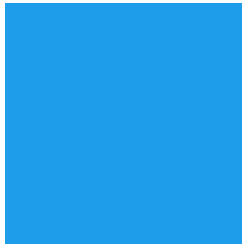
40, 68.207, 351.203



8, 30.107, 346.734

Previews

White Background



This preview shows how the CIE LCh color 62, 48.513, 263.963 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 62, 48.513, 263.963 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

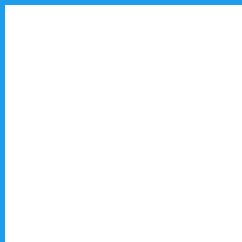
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 48.513, 263.963

Background



This preview shows how black text looks on a background with the CIELCh color 62, 48.513, 263.963.

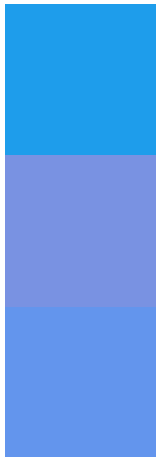


This preview shows how white text looks on a background with the CIELCh color 62, 48.513, 263.963.

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



Original Color

62, 48.513, 263.963

Protanopia

62, 45.130, 285.820

Deuteranopia

62, 50.226, 280.493



Tritanopia
62, 34.914, 208.885

Trichromacy



Original Color
62, 48.513, 263.963



Protanomaly
61, 46.140, 274.821



Deuteranomaly
62, 49.377, 273.194



Tritanomaly
62, 35.967, 233.049

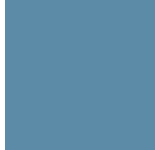
Monochromacy



Original Color
62, 48.513, 263.963



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 21.431, 247.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 48.513, 263.963 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(30, 157, 235)` looks like.

```
.text, #text, p{  
    color:rgb(30, 157, 235)  
}
```

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(30, 157, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 157, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 48.513, 263.963 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(30, 157, 235) }
```

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

```
.border{ border-color:rgb(30, 157, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 157, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 157, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 157, 235);  
box-shadow:4px 4px 4px 4px rgb(30, 157,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 48.513, 263.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 157, 235) }
```

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

```
.background{ background-color: rgb(30, 157,  
235) }
```

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