

Converting Colors

CIELCh(62, 45.013, 256.310)

Have a look what the booklet for
CIELCh(62, 45.013, 256.310)
contains.

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Color

CIELCh(62, 45.100, 256.775)

Conversions

Conversions Part 1

Format	Color
Hex	019FE3
RGB	1, 159, 227
RGB Percent	0%, 62%, 89%
CMY	0.9966, 0.3759, 0.1092
CMYK	1.00, 0.30, 0.00, 0.11
HSL	198°, 99%, 45%
HSV	198°, 100%, 89%
XYZ	26.3171, 30.4025, 77.2605
YIQ	119.5100, -115.9960, -12.3480

Conversions

Conversions Part 2

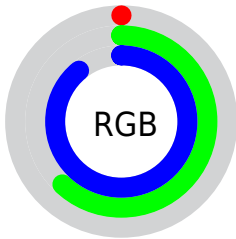
Format	Color
RYB	1, 94, 227
Decimal	106467
CIELab	62.00, -10.32, -43.90
CIELCh	62, 45.100, 256.775
Yxy	30.4025, 0.1964, 0.2269
Android (android.graphics.Color)	4278296547 (0xFF019FE3)
YUV	119.5100, 52.9926, -103.9333
Hunter-Lab	55.1385, -11.2960, -44.4806

Details

The CIELCh color **62, 45.100, 256.775** 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 **53, 86.770, 47.044**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 35.330, 236.313**, and **44, 40.854, 267.429** is the 20% darker color. If you saturate the color by 10%, you get **62, 45.197, 256.963**, and if you desaturate by 10%, it is **64, 42.627, 251.811**.

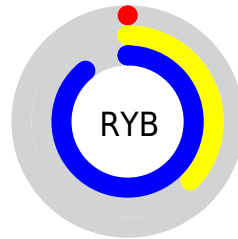
Distribution



Red (0%)

Green (62%)

Blue (89%)



Red (0%)

Yellow (37%)

Blue (89%)

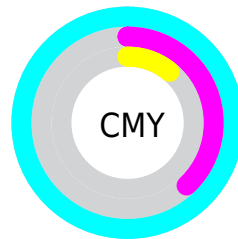


Cyan (100%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (100%)


Magenta (38%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.100, 256.775 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, 45.100, 256.775 by changing the saturation by 10% instead.


 62, 45.100,
256.775


 62, 45.100,
256.775


 100, 45.100,
256.775


 52, 45.100,
256.775


 82, 45.100,
256.775

 42, 45.100,
256.775

 92, 45.100,
256.775

 32, 45.100,
256.775

 22, 45.100,
256.775

 12, 45.100,
256.775

 2, 45.100, 256.775

 0, 45.100, 256.775

■ 62, 45.100,
256.775

■ 62, 45.100,
256.775

■ 62, 45.197,
256.963

■ 64, 42.627,
251.811

■ 66, 39.925,
247.377

■ 69, 36.766,
243.637

■ 72, 33.040,
240.568

■ 74, 28.712,
238.096

■ 77, 23.807,
236.129

■ 81, 18.381,
234.577

■ 84, 12.511,

233.363

■ 87, 6.276, 232.443

Harmonies

Complementary

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



62, 45.100, 256.775



53, 86.770, 47.044

Rectangle

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



62, 45.100, 256.775



62, 45.100, 306.775



62, 45.100, 76.775



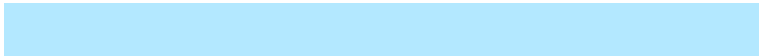
62, 45.100, 126.775

Sweetspot

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



62, 45.099, 256.776



89, 20.414, 234.656



79, 97.599, 140.933



46, 13.745, 235.278



0, 0.000, 0.000



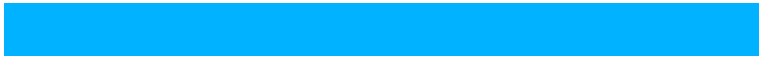
53, 0.007, 296.813

Same Dimension

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



62, 45.099, 256.776



69, 49.482, 257.322



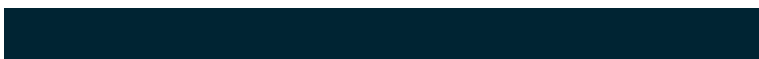
33, 108.098, 302.694



46, 3.739, 232.431



49, 37.458, 256.081



12, 14.751, 246.994

Inverse Universe

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



51, 84.327, 345.147



57, 91.930, 345.368



76, 78.139, 87.699



45, 6.729, 334.924



40, 70.640, 344.871



7, 30.520, 341.609

Previews

White Background



This preview shows how the CIE LCh color 62, 45.100, 256.775 looks on a white background.

Color Contrast Check

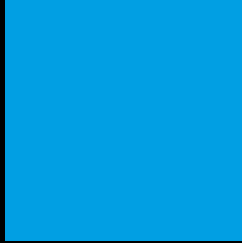
Large Text (above 18pt) WCAG AA × Fail

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, 45.100, 256.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

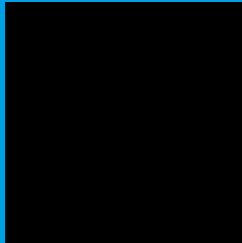
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.100, 256.775

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.100, 256.775.

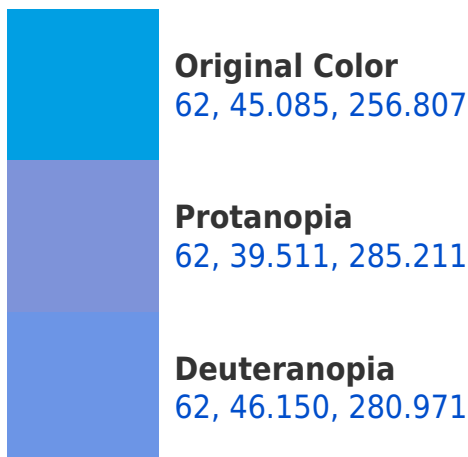


This preview shows how white text looks on a background with the CIELCh color 62, 45.100, 256.775.

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



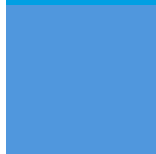


Tritanopia
62, 35.117, 207.831

Trichromacy



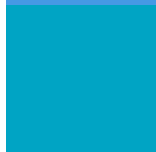
Original Color
62, 45.085, 256.807



Protanomaly
61, 42.236, 268.947



Deuteranomaly
61, 45.814, 268.789



Tritanomaly
62, 35.716, 227.682

Monochromacy



Original Color
62, 45.085, 256.807



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 22.297, 238.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.100, 256.775 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(1, 159, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 159, 227)  
}
```

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(1, 159, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 159, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.100, 256.775 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(1, 159, 227) }
```

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

```
.border{ border-color:rgb(1, 159, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 159, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 159, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 159, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 159,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.100, 256.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 159, 227) }
```

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

```
.background{ background-color: rgb(1, 159,  
227) }
```

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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