

Converting Colors

CIELCh(62, 50.154, 266.490)

Have a look what the booklet for
CIELCh(62, 50.154, 266.490)
contains.

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Color

CIELCh(62, 50.098, 266.445)

Conversions

Conversions Part 1

Format	Color
Hex	249CEE
RGB	36, 156, 238
RGB Percent	14%, 61%, 93%
CMY	0.8606, 0.3874, 0.0657
CMYK	0.85, 0.34, 0.00, 0.07
HSL	204°, 86%, 54%
HSV	204°, 85%, 93%
XYZ	28.1031, 30.4025, 85.4572
YIQ	129.4680, -97.8420, 0.0620

Conversions

Conversions Part 2

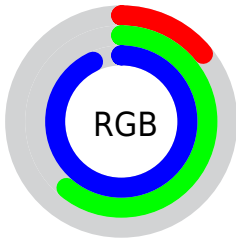
Format	Color
R _Y B	36, 111, 238
Decimal	2399470
CIE Lab	62.00, -3.11, -50.00
CIE LCh	62, 50.098, 266.445
Yxy	30.4025, 0.1952, 0.2112
Android (android.graphics.Color)	4280589550 (0xFF249CEE)
YUV	129.4680, 53.5063, -81.9714
Hunter-Lab	55.1385, -5.5141, -53.2945

Details

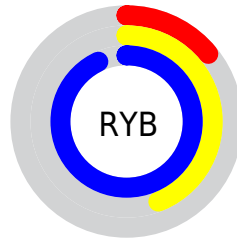
The CIELCh color **62, 50.098, 266.445** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **63, 74.857, 55.911**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 34.146, 243.131**, and **43, 47.890, 275.358** is the 20% darker color. If you saturate the color by 10%, you get **59, 54.844, 271.405**, and if you desaturate by 10%, it is **65, 45.306, 261.945**.

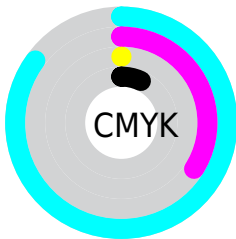
Distribution



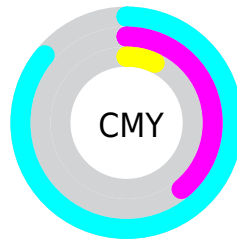
- Red (14%)
- Green (61%)
- Blue (93%)



- Red (14%)
- Yellow (44%)
- Blue (93%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)





- Cyan (86%)
- Magenta (39%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 50.098, 266.445 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, 50.098, 266.445 by changing the saturation by 10% instead.

 62, 50.098,
266.445

 62, 50.098,
266.445


 100, 50.098,
266.445

 52, 50.098,
266.445


 82, 50.098,
266.445

 42, 50.098,
266.445

 92, 50.098,
266.445

 32, 50.098,
266.445

 22, 50.098,
266.445

 12, 50.098,
266.445

 2, 50.098, 266.445

 0, 50.098, 266.445

■ 62, 50.098,
266.445

■ 62, 50.098,
266.445

■ 59, 54.844,
271.405

■ 65, 45.306,
261.945

■ 58, 57.248,
273.866

■ 69, 40.310,
258.025

■ 72, 35.001,
254.707

■ 76, 29.336,
251.949

■ 80, 23.317,
249.681

■ 84, 16.978,
247.826

■ 88, 10.368,
246.316

■ 92, 3.539, 245.152

Harmonies

Complementary

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



62, 50.098, 266.445



63, 74.857, 55.911

Rectangle

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



62, 50.098, 266.445



62, 50.098, 316.445



62, 50.098, 86.445



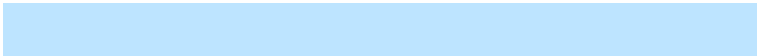
62, 50.098, 136.445

Sweetspot

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



62, 50.097, 266.446



89, 18.571, 247.998



83, 84.968, 147.484



46, 12.511, 248.614



0, 0.000, 0.000



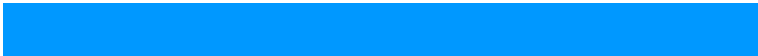
53, 0.007, 296.813

Same Dimension

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



62, 50.097, 266.446



61, 60.457, 274.066



37, 107.913, 302.414



48, 3.958, 245.611



45, 46.458, 272.965



12, 18.166, 264.571

Inverse Universe

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



54, 80.893, 349.594



56, 86.919, 354.000



86, 81.951, 97.064



47, 6.477, 339.537



40, 68.148, 353.285



9, 30.590, 348.600

Previews

White Background



This preview shows how the CIE LCh color 62, 50.098, 266.445 looks on a white background.

Color Contrast Check

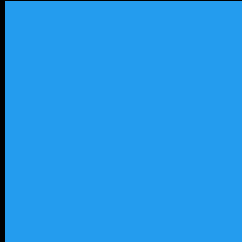
Large Text (above 18pt) WCAG AA × Fail

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, 50.098, 266.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

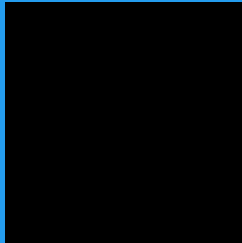
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

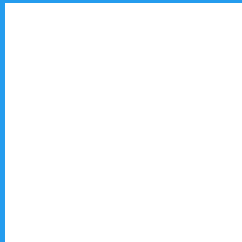
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 50.098, 266.445

Background



This preview shows how black text looks on a background with the CIELCh color 62, 50.098, 266.445.

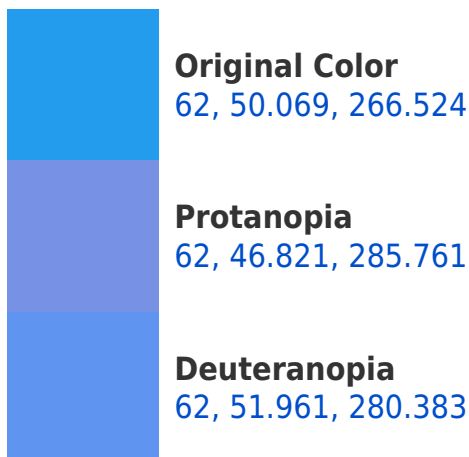


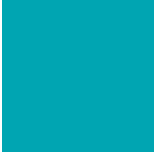
This preview shows how white text looks on a background with the CIELCh color 62, 50.098, 266.445.

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, 34.914, 208.885

Trichromacy



Original Color
62, 50.069, 266.524

Protanomaly
61, 47.603, 276.089

Deuteranomaly
62, 50.900, 274.098

Tritanomaly
62, 36.102, 234.033

Monochromacy



Original Color
62, 50.069, 266.524

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 21.678, 251.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 50.098, 266.445 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(36, 156, 238)` looks like.

```
.text, #text, p{  
    color:rgb(36, 156, 238)  
}
```

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(36, 156, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 156, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 50.098, 266.445 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(36, 156, 238) }
```

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

```
.border{ border-color:rgb(36, 156, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 156, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 156, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 156, 238);  
box-shadow:4px 4px 4px 4px rgb(36, 156,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 50.098, 266.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 156, 238) }
```

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

```
.background{ background-color: rgb(36, 156,  
238) }
```

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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