

Converting Colors

CIELCh(63, 49.925, 262.978)

Have a look what the booklet for
CIELCh(63, 49.925, 262.978)
contains.

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Color

CIELCh(63, 49.949, 263.087)

Conversions

Conversions Part 1

Format	Color
Hex	05A0F0
RGB	5, 160, 240
RGB Percent	2%, 63%, 94%
CMY	0.9805, 0.3714, 0.0575
CMYK	0.98, 0.33, 0.00, 0.06
HSL	200°, 96%, 48%
HSV	200°, 98%, 94%
XYZ	28.4602, 31.5869, 87.2884
YIQ	122.7750, -118.0600, -7.9800

Conversions

Conversions Part 2

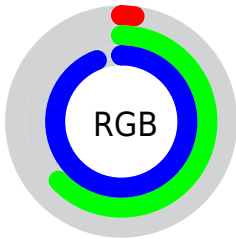
Format	Color
R _Y B	5, 98, 240
Decimal	368880
CIE Lab	63.00, -6.01, -49.59
CIE LCh	63, 49.949, 263.087
Yxy	31.5869, 0.1932, 0.2144
Android (android.graphics.Color)	4278558960 (0xFF05A0F0)
YUV	122.7750, 57.7919, -103.2887
Hunter-Lab	56.2022, -7.9636, -52.7425

Details

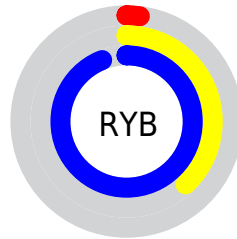
The CIELCh color **63, 49.949, 263.087** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **57, 87.591, 49.221**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 34.885, 236.918**, and **45, 46.307, 272.909** is the 20% darker color. If you saturate the color by 10%, you get **62, 50.668, 264.134**, and if you desaturate by 10%, it is **66, 46.563, 257.988**.

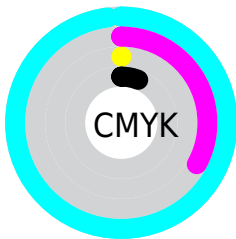
Distribution



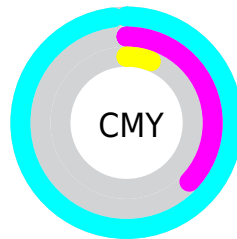
- Red (2%)
- Green (63%)
- Blue (94%)



- Red (2%)
- Yellow (38%)
- Blue (94%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (6%)




- Cyan (98%)
- Magenta (37%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 49.949, 263.087 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 63, 49.949, 263.087 by changing the saturation by 10% instead.


 63, 49.949,
263.087

 63, 49.949,
263.087


 100, 49.949,
263.087


 53, 49.949,
263.087


 83, 49.949,
263.087

 43, 49.949,
263.087

 93, 49.949,
263.087

 33, 49.949,
263.087

 23, 49.949,
263.087

 13, 49.949,
263.087

 3, 49.949, 263.087

 0, 49.949, 263.087

■ 63, 49.949,
263.087

■ 63, 49.949,
263.087

■ 62, 50.668,
264.134

■ 66, 46.563,
257.988

■ 68, 43.009,
253.417

■ 71, 39.085,
249.507

■ 74, 34.676,
246.257

■ 78, 29.740,
243.606

■ 81, 24.291,
241.468

■ 85, 18.380,
239.756

■ 88, 12.076,

238.395

■ 92, 5.449, 237.346

Harmonies

Complementary

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



63, 49.949, 263.087



57, 87.591, 49.221

Rectangle

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



63, 49.949, 263.087



63, 49.949, 313.087



63, 49.949, 83.087



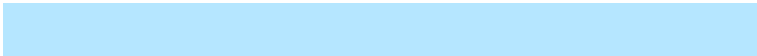
63, 49.949, 133.087

Sweetspot

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



63, 49.948, 263.088



89, 19.961, 239.935



84, 98.624, 142.246



46, 13.543, 240.639



0, 0.000, 0.000



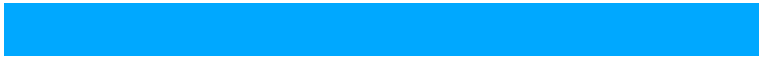
53, 0.007, 296.813

Same Dimension

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



63, 49.948, 263.088



66, 53.102, 264.314



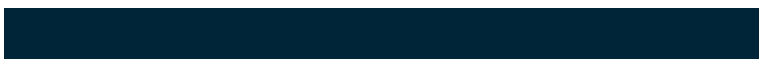
34, 115.274, 303.398



48, 3.882, 237.484



48, 40.966, 263.174



13, 16.513, 254.734

Inverse Universe

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



53, 85.850, 347.890



56, 89.761, 348.475



82, 82.608, 90.746



47, 6.780, 336.592



40, 70.407, 347.928



9, 31.634, 344.346

Previews

White Background



This preview shows how the CIELCh color 63, 49.949, 263.087 looks on a white background.

Color Contrast Check

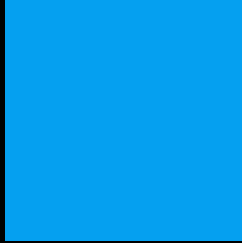
Large Text (above 18pt) WCAG AA × Fail

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 63, 49.949, 263.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

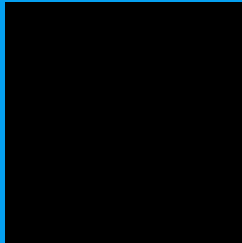
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

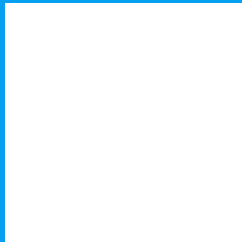
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 49.949, 263.087

Background



This preview shows how black text looks on a background with the CIELCh color 63, 49.949, 263.087.

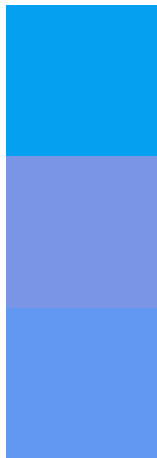


This preview shows how white text looks on a background with the CIELCh color 63, 49.949, 263.087.

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](#).

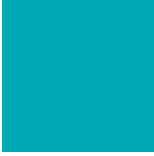
Dichromacy



Original Color
63, 49.925, 263.143

Protanopia
63, 45.553, 285.552

Deuteranopia
63, 51.251, 280.120



Tritanopia
63, 35.390, 208.673

Trichromacy



Original Color
63, 49.925, 263.143



Protanomaly
62, 47.619, 272.916



Deuteranomaly
62, 50.810, 271.690



Tritanomaly
63, 36.770, 233.090

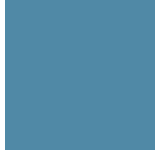
Monochromacy



Original Color
63, 49.925, 263.143



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 23.537, 243.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 49.949, 263.087 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(5, 160, 240)` looks like.

```
.text, #text, p{  
    color:rgb(5, 160, 240)  
}
```

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(5, 160, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 160, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 49.949, 263.087 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(5, 160, 240) }
```

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

```
.border{ border-color:rgb(5, 160, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 160, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 160, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 160, 240);  
box-shadow:4px 4px 4px 4px rgb(5, 160,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 49.949, 263.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 160, 240) }
```

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

```
.background{ background-color: rgb(5, 160,  
240) }
```

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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