

Converting Colors

CIELCh(68, 70.505, 232.258)

Have a look what the booklet for
CIELCh(68, 70.505, 232.258)
contains.

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Color

CIELCh(73, 46.063, 247.472)

Conversions

Conversions Part 1

Format	Color
Hex	09C0FF
RGB	9, 192, 255
RGB Percent	4%, 75%, 100%
CMY	0.9663, 0.2461, 0.0000
CMYK	0.97, 0.25, 0.00, 0.00
HSL	195°, 100%, 52%
HSV	195°, 97%, 100%
XYZ	37.2712, 45.1644, 102.4740
YIQ	144.4650, -129.2910, -19.2030

Conversions

Conversions Part 2

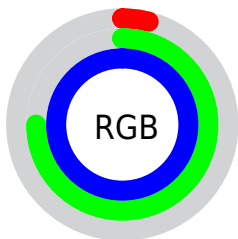
Format	Color
R_{YB}	9, 114, 255
Decimal	639231
CIE _{Lab}	73.00, -17.65, -42.55
CIE _{LCh}	73, 46.063, 247.472
Yxy	45.1644, 0.2016, 0.2443
Android (android.graphics.Color)	4278829311 (0xFF09C0FF)
YUV	144.4650, 54.4938, -118.8028
Hunter-Lab	67.2044, -18.6128, -43.3629

Details

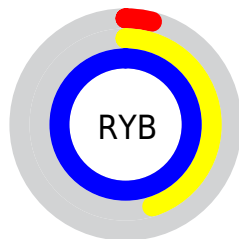
The CIELCh color **73, 46.063, 247.472** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **58, 95.085, 45.136**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 37.402, 202.761**, and **55, 40.436, 256.003** is the 20% darker color. If you saturate the color by 10%, you get **72, 46.272, 248.246**, and if you desaturate by 10%, it is **75, 43.788, 242.113**.

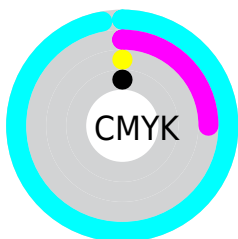
Distribution



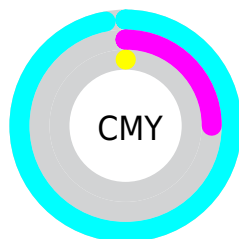
- Red (4%)
- Green (75%)
- Blue (100%)



- Red (4%)
- Yellow (45%)
- Blue (100%)



- Cyan (97%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 46.063, 247.472 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 73, 46.063, 247.472 by changing the saturation by 10% instead.

 73, 46.063,
247.472


 73, 46.063,
247.472


 100, 46.063,
247.472


 63, 46.063,
247.472


 93, 46.063,
247.472

 53, 46.063,
247.472

 43, 46.063,
247.472

 33, 46.063,
247.472

 23, 46.063,
247.472

 13, 46.063,
247.472

 3, 46.063, 247.472

■ 0, 46.063, 247.472

■ 73, 46.063,
247.472

■ 73, 46.063,
247.472

■ 72, 46.272,
248.246

■ 75, 43.788,
242.113

■ 77, 41.385,
238.274

■ 80, 38.280,
235.133

■ 82, 34.396,
232.623

■ 85, 29.734,
230.650

■ 88, 24.352,
229.120

■ 91, 18.339,
227.948

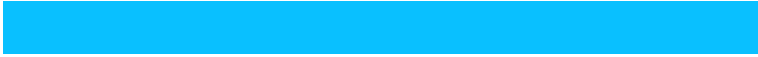
■ 94, 11.795,
227.068

■ 98, 4.820, 226.466

Harmonies

Complementary

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



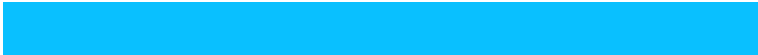
73, 46.063, 247.472



58, 95.085, 45.136

Rectangle

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



73, 46.063, 247.472



73, 46.063, 297.472



73, 46.063, 67.472



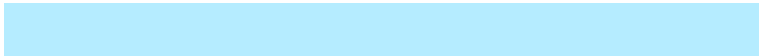
73, 46.063, 117.472

Sweetspot

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



73, 45.669, 246.646



90, 19.815, 228.197



88, 108.679, 139.930



47, 13.396, 228.689



0, 0.000, 0.000



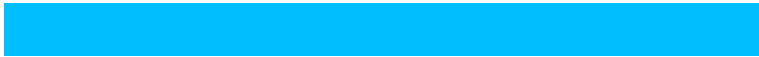
53, 0.007, 296.813

Same Dimension

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



73, 45.669, 246.646



72, 46.272, 248.246



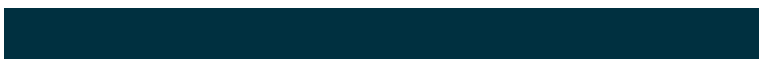
41, 108.678, 300.256



51, 4.105, 226.603



55, 37.073, 247.339



18, 16.544, 240.892

Inverse Universe

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



57, 94.793, 341.484



57, 94.809, 342.020



82, 83.127, 83.638



50, 7.582, 333.112



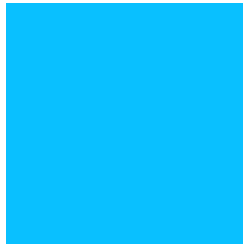
43, 76.598, 341.718



11, 36.014, 339.693

Previews

White Background



This preview shows how the CIELCh color 73, 46.063, 247.472 looks on a white background.

Color Contrast Check

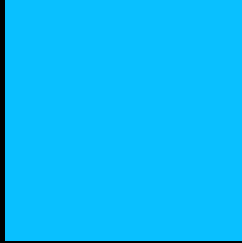
Large Text (above 18pt) WCAG AA × Fail

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 73, 46.063, 247.472 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

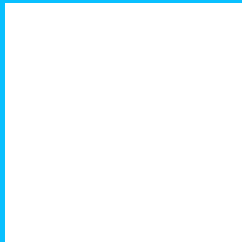
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 46.063, 247.472

Background



This preview shows how black text looks on a background with the CIELCh color 73, 46.063, 247.472.

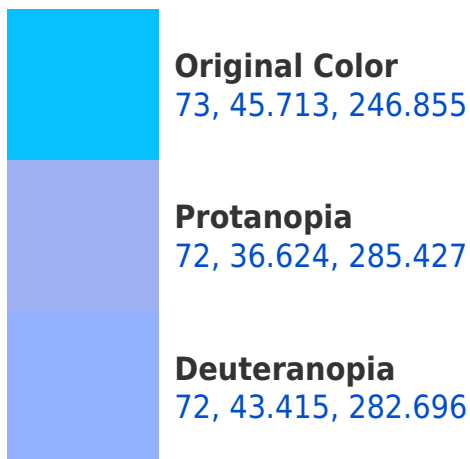


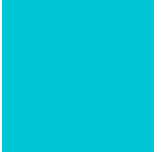
This preview shows how white text looks on a background with the CIELCh color 73, 46.063, 247.472.

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
73, 39.990, 208.554

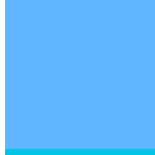
Trichromacy



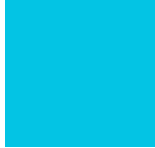
Original Color
73, 45.713, 246.855



Protanomaly
71, 40.250, 262.982



Deuteranomaly
72, 44.032, 264.238



Tritanomaly
73, 40.049, 223.047

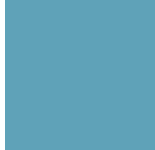
Monochromacy



Original Color
73, 45.713, 246.855



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 23.578, 229.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 46.063, 247.472 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(9, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 192, 255)  
}
```

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(9, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 192, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 46.063, 247.472 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(9, 192, 255) }
```

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

```
.border{ border-color:rgb(9, 192, 255) }
```

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

Here you see how a box with a 4 pixel rgb(9, 192, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 192,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 46.063, 247.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 192, 255) }
```

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

```
.background{ background-color: rgb(9, 192,  
255) }
```

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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