

Converting Colors

CIELCh(73, 45.034, 245.255)

Have a look what the booklet for
CIELCh(73, 45.034, 245.255)
contains.

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Color

CIELCh(73, 44.887, 244.802)

Conversions

Conversions Part 1

Format	Color
Hex	0AC1FD
RGB	10, 193, 253
RGB Percent	4%, 76%, 99%
CMY	0.9593, 0.2442, 0.0089
CMYK	0.96, 0.24, 0.00, 0.01
HSL	195°, 98%, 52%
HSV	195°, 96%, 99%
XYZ	36.8262, 45.1644, 99.4728
YIQ	145.1230, -128.3280, -20.1360

Conversions

Conversions Part 2

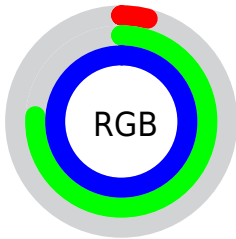
Format	Color
RYB	10, 114, 253
Decimal	705021
CIELab	73.00, -19.11, -40.62
CIELCh	73, 44.887, 244.802
Yxy	45.1644, 0.2029, 0.2489
Android (android.graphics.Color)	4278895101 (0xFF0AC1FD)
YUV	145.1230, 53.1834, -118.5029
Hunter-Lab	67.2044, -19.7946, -40.7151

Details

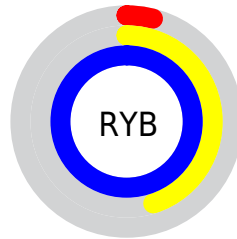
The CIELCh color **73, 44.887, 244.802** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **57, 94.230, 44.921**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 37.673, 201.898**, and **55, 39.674, 254.608** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.559, 246.722**, and if you desaturate by 10%, it is **75, 43.102, 240.410**.

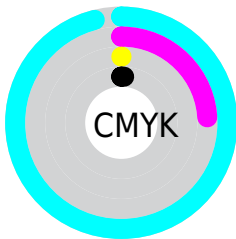
Distribution



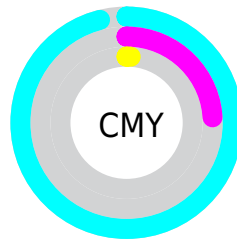
- Red (4%)
- Green (76%)
- Blue (99%)



- Red (4%)
- Yellow (45%)
- Blue (99%)



- Cyan (96%)
- Magenta (24%)
- Yellow (0%)
- Black (1%)




- Cyan (96%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 44.887, 244.802 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, 44.887, 244.802 by changing the saturation by 10% instead.


 73, 44.887,
244.802

 73, 44.887,
244.802


 100, 44.887,
244.802


 63, 44.887,
244.802


 93, 44.887,
244.802

 53, 44.887,
244.802

 43, 44.887,
244.802

 33, 44.887,
244.802

 23, 44.887,
244.802

 13, 44.887,
244.802

 3, 44.887, 244.802

■ 0, 44.887, 244.802

■ 73, 44.887,
244.802

■ 73, 44.887,
244.802

■ 72, 45.559,
246.722

■ 75, 43.102,
240.410

■ 77, 40.755,
236.717

■ 80, 37.680,
233.712

■ 82, 33.810,
231.321

■ 85, 29.154,
229.449

■ 88, 23.776,
228.004

■ 91, 17.767,
226.905

■ 94, 11.231,
226.086

■ 97, 4.268, 225.550

Harmonies

Complementary

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



73, 44.887, 244.802



57, 94.230, 44.921

Rectangle

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



73, 44.887, 244.802



73, 44.887, 294.802



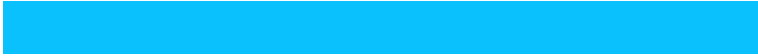
73, 44.887, 64.802



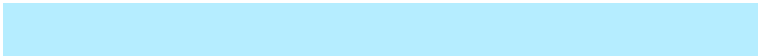
73, 44.887, 114.802

Sweetspot

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



73, 44.886, 244.803



91, 19.840, 227.215



87, 108.594, 139.637



47, 13.409, 227.687



0, 0.000, 0.000



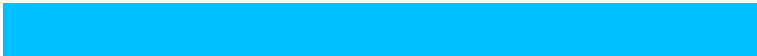
53, 0.007, 296.813

Same Dimension

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



73, 44.886, 244.803



73, 45.876, 246.747



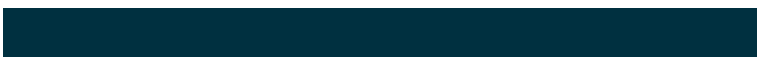
41, 104.684, 299.294



51, 4.114, 225.701



56, 36.774, 245.854



18, 16.463, 239.533

Inverse Universe

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



57, 94.618, 340.888



57, 95.290, 341.523



80, 82.002, 82.288



50, 7.621, 332.839



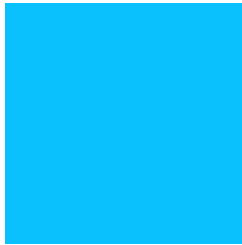
43, 76.983, 341.232



11, 36.180, 339.291

Previews

White Background



This preview shows how the CIELCh color 73, 44.887, 244.802 looks on a white background.

Color Contrast Check

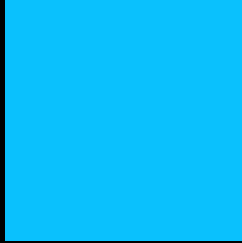
Large Text (above 18pt) WCAG AA × Fail

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, 44.887, 244.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

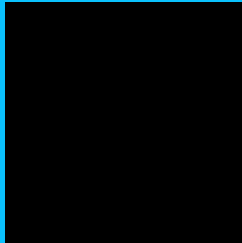
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 44.887, 244.802

Background



This preview shows how black text looks on a background with the CIELCh color 73, 44.887, 244.802.



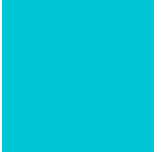
This preview shows how white text looks on a background with the CIELCh color 73, 44.887, 244.802.

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



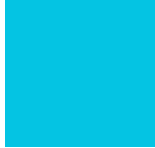
Original Color
73, 44.921, 244.754



Protanomaly
72, 38.422, 261.024



Deuteranomaly
72, 43.439, 264.201



Tritanomaly
73, 39.938, 222.235

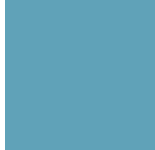
Monochromacy



Original Color
73, 44.921, 244.754



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 23.369, 229.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 44.887, 244.802 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(10, 193, 253)` looks like.

```
.text, #text, p{  
    color:rgb(10, 193, 253)  
}
```

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(10, 193, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 193, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 44.887, 244.802 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(10, 193, 253) }
```

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

```
.border{ border-color:rgb(10, 193, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 193, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 193, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 193, 253);  
box-shadow:4px 4px 4px 4px rgb(10, 193,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 44.887, 244.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 193, 253) }
```

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

```
.background{ background-color: rgb(10, 193,  
253) }
```

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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