

Converting Colors

CIELCh(73, 44.602, 250.427)

Have a look what the booklet for
CIELCh(73, 44.602, 250.427)
contains.

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Color

CIELCh(73, 44.463, 250.025)

Conversions

Conversions Part 1

Format	Color
Hex	33BFFF
RGB	51, 191, 255
RGB Percent	20%, 75%, 100%
CMY	0.8002, 0.2511, 0.0002
CMYK	0.80, 0.25, 0.00, 0.00
HSL	199°, 100%, 60%
HSV	199°, 80%, 100%
XYZ	38.0276, 45.1644, 101.2868
YIQ	156.4360, -103.9840, -9.7760

Conversions

Conversions Part 2

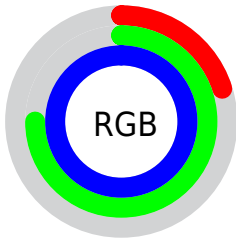
Format	Color
R _Y B	51, 134, 255
Decimal	3391487
CIE Lab	73.00, -15.19, -41.79
CIE LCh	73, 44.463, 250.025
Yxy	45.1644, 0.2061, 0.2448
Android (android.graphics.Color)	4281581567 (0xFF33BFFF)
YUV	156.4360, 48.5921, -92.4674
Hunter-Lab	67.2044, -16.6036, -42.3155

Details

The CIELCh color **73, 44.463, 250.025** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **65, 77.062, 49.606**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 34.326, 204.333**, and **54, 40.765, 256.945** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.626, 254.636**, and if you desaturate by 10%, it is **76, 40.855, 246.101**.

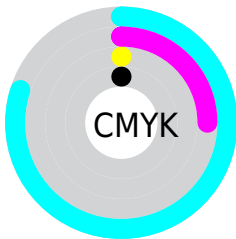
Distribution



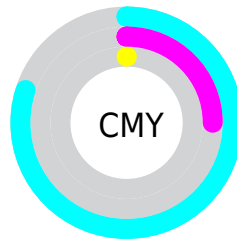
- Red (20%)
- Green (75%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 44.463, 250.025 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, 44.463, 250.025 by changing the saturation by 10% instead.

 73, 44.463,
250.025


 73, 44.463,
250.025


 100, 44.463,
250.025


 63, 44.463,
250.025


 93, 44.463,
250.025

 53, 44.463,
250.025

 43, 44.463,
250.025

 33, 44.463,
250.025

 23, 44.463,
250.025

 13, 44.463,
250.025

 3, 44.463, 250.025

■ 0, 44.463, 250.025

■ 73, 44.463,
250.025

■ 73, 44.463,
250.025

■ 70, 47.626,
254.636

■ 76, 40.855,
246.101

■ 68, 50.598,
259.736

■ 79, 36.672,
242.860

■ 82, 31.861,
240.236

■ 85, 26.439,
238.139

■ 89, 20.463,
236.476

■ 92, 14.013,
235.168

■ 96, 7.171, 234.164

100, 0.021,
263.458

100, 0.009,
101.127

Harmonies

Complementary

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



73, 44.463, 250.025



65, 77.062, 49.606

Rectangle

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



73, 44.463, 250.025



73, 44.463, 300.025



73, 44.463, 70.025



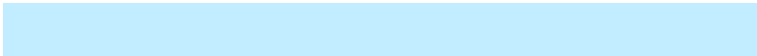
73, 44.463, 120.025

Sweetspot

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



73, 44.462, 250.026



91, 16.635, 235.651



89, 93.389, 144.614



47, 11.320, 236.125



0, 0.000, 0.000



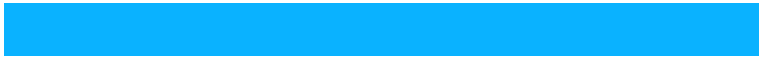
53, 0.007, 296.813

Same Dimension

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



73, 44.462, 250.026



69, 49.403, 257.681



46, 95.167, 297.381



51, 4.075, 234.121



52, 40.382, 258.762



16, 17.526, 251.633

Inverse Universe

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



59, 87.804, 342.577



57, 91.193, 345.515



87, 78.569, 90.498



50, 7.269, 335.475



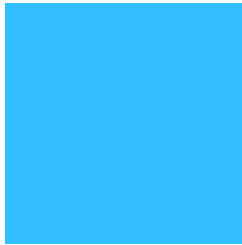
42, 73.681, 345.963



11, 34.730, 343.197

Previews

White Background



This preview shows how the CIE LCh color 73, 44.463, 250.025 looks on a white background.

Color Contrast Check

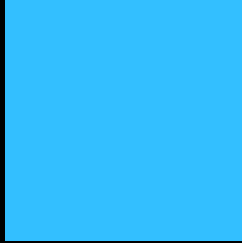
Large Text (above 18pt) WCAG AA × Fail

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, 44.463, 250.025 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

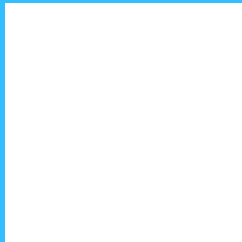
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 44.463, 250.025

Background



This preview shows how black text looks on a background with the CIELCh color 73, 44.463, 250.025.

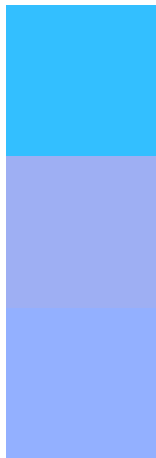


This preview shows how white text looks on a background with the CIELCh color 73, 44.463, 250.025.

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

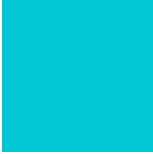
73, 44.463, 250.025

Protanopia

72, 37.156, 285.615

Deuteranopia

73, 43.373, 283.045



Tritanopia
73, 39.990, 208.554

Trichromacy



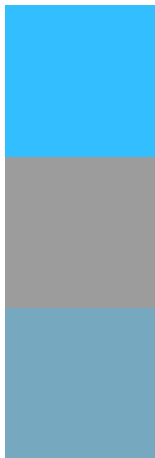
Original Color
73, 44.463, 250.025

Protanomaly
72, 38.910, 267.289

Deuteranomaly
72, 43.192, 268.820

Tritanomaly
73, 39.581, 224.343

Monochromacy



Original Color
73, 44.463, 250.025

Achromatopsia
64, 0.008, 296.813

Achromatomaly
67, 20.354, 237.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 44.463, 250.025 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(51, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 191, 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(51, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 191, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 44.463, 250.025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

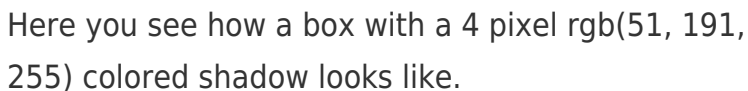
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 191, 255) }
```

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

```
.border{ border-color:rgb(51, 191, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 191, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 191, 255); box-shadow:4px 4px 4px 4px rgb(51, 191, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 44.463, 250.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 191, 255) }
```

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

```
.background{ background-color: rgb(51, 191,  
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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