

# Converting Colors

CIELCh(75, 44.710, 241.258)

Have a look what the booklet for  
CIELCh(75, 44.710, 241.258)  
contains.

<b>CIELCh(75, 44.523, 240.879)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(75, 44.523, 240.879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08C7FF
RGB	8, 199, 255
RGB Percent	3%, 78%, 100%
CMY	0.9680, 0.2184, 0.0000
CMYK	0.97, 0.22, 0.00, 0.00
HSL	194°, 100%, 52%
HSV	194°, 97%, 100%
XYZ	38.6949, 48.2781, 102.1532
YIQ	148.2750, -131.8120, -23.0760

# Conversions

## Conversions Part 2

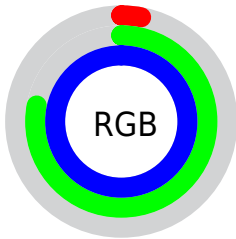
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	8, 116, 255
Decimal	575487
CIE Lab	75.00, -21.67, -38.90
CIE LCh	75, 44.523, 240.879
Yxy	48.2781, 0.2046, 0.2553
Android (android.graphics.Color)	4278765567 (0xFF08C7FF)
YUV	148.2750, 52.6154, -123.0212
Hunter-Lab	69.4824, -22.1874, -38.5306

# Details

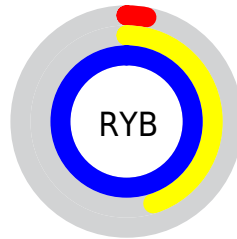
The CIELCh color **75, 44.523, 240.879** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **57, 96.539, 43.967**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **56, 38.693, 250.105** is the 20% darker color. If you saturate the color by 10%, you get **74, 44.855, 242.067**, and if you desaturate by 10%, it is **77, 43.017, 236.518**.

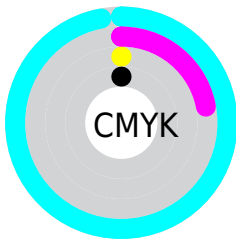
# Distribution



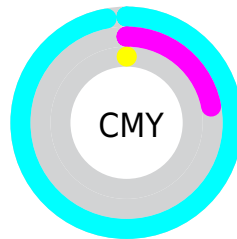
- Red (3%)
- Green (78%)
- Blue (100%)



- Red (3%)
- Yellow (45%)
- Blue (100%)



- Cyan (97%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (97%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 44.523, 240.879 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 75, 44.523, 240.879 by changing the saturation by 10% instead.





 75, 44.523,  
240.879

 75, 44.523,  
240.879


 100, 44.523,  
240.879


 65, 44.523,  
240.879


 95, 44.523,  
240.879

 55, 44.523,  
240.879

 45, 44.523,  
240.879

 35, 44.523,  
240.879

 25, 44.523,  
240.879

 15, 44.523,  
240.879

 5, 44.523, 240.879

■ 0, 44.523, 240.879

■ 75, 44.523,  
240.879

■ 75, 44.523,  
240.879

■ 74, 44.855,  
242.067

■ 77, 43.017,  
236.518

■ 79, 40.967,  
233.056

■ 81, 38.126,  
230.259

■ 83, 34.428,  
228.051

■ 86, 29.887,  
226.338

■ 89, 24.570,  
225.031

■ 92, 18.576,  
224.052

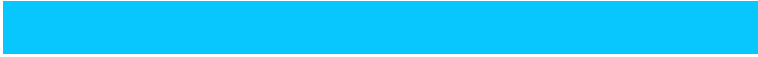
■ 95, 12.013,  
223.340

■ 98, 4.990, 222.885

# Harmonies

# Complementary

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



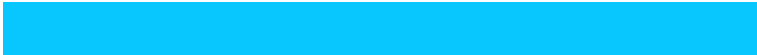
75, 44.523, 240.879



57, 96.539, 43.967

# Rectangle

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



75, 44.523, 240.879



75, 44.523, 290.879



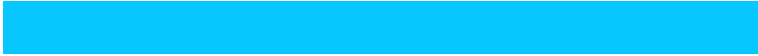
75, 44.523, 60.879



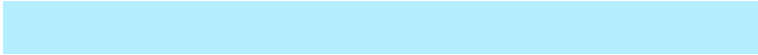
75, 44.523, 110.879

# Sweetspot

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



75, 44.444, 240.664



91, 19.949, 224.243



88, 110.916, 139.073



47, 13.474, 224.652



0, 0.000, 0.000



53, 0.007, 296.813



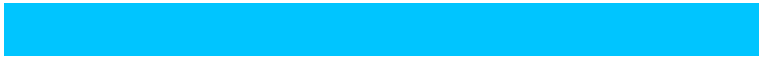


# Same Dimension

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



75, 44.444, 240.664



74, 44.855, 242.067



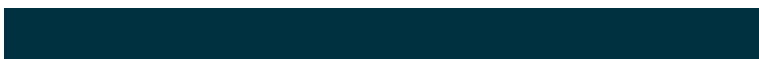
42, 104.018, 298.824



52, 4.146, 222.976



57, 36.007, 241.229



18, 16.272, 235.347



# Inverse Universe

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



58, 96.761, 339.618



57, 96.807, 340.047



80, 82.371, 80.542



50, 7.740, 332.022



43, 78.194, 339.794



11, 36.697, 338.095



# Previews

## White Background



This preview shows how the CIE LCh color 75, 44.523, 240.879 looks on a white background.

## Color Contrast Check

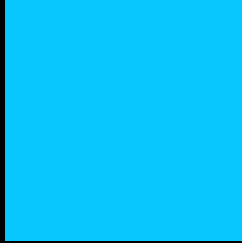
Large Text (above 18pt) WCAG AA × Fail

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 75, 44.523, 240.879 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

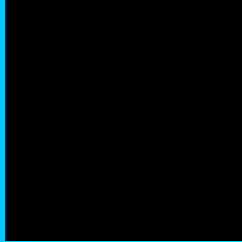
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 44.523, 240.879

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.523, 240.879.

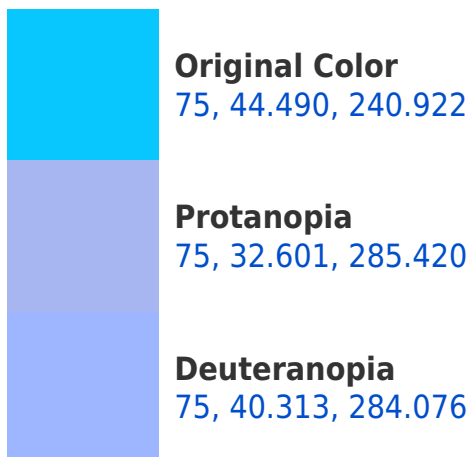


This preview shows how white text looks on a background with the CIELCh color 75, 44.523, 240.879.

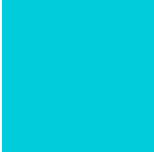
# Color Blindness Simulation

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**  
75, 40.910, 208.210

# Trichromacy



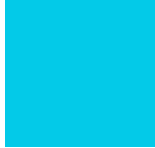
**Original Color**  
75, 44.490, 240.922



**Protanomaly**  
73, 37.003, 257.429



**Deuteranomaly**  
74, 41.200, 261.237



**Tritanomaly**  
75, 40.732, 220.686

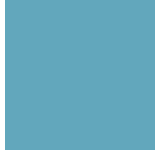
# Monochromacy



**Original Color**  
75, 44.490, 240.922



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
65, 23.819, 227.514

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 44.523, 240.879 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(8, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(8, 199, 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(8, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 199, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 44.523, 240.879 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(8, 199, 255) }
```

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

```
.border{ border-color:rgb(8, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(8, 199,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 44.523, 240.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 199, 255) }
```

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

```
.background{ background-color: rgb(8, 199,  
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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