

Converting Colors

CIELCh(75, 40.660, 246.478)

Have a look what the booklet for
CIELCh(75, 40.660, 246.478)
contains.

CIELCh(75, 40.464, 245.679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 40.464, 245.679)

Conversions

Conversions Part 1

Format	Color
Hex	4BC5FC
RGB	75, 197, 252
RGB Percent	29%, 77%, 99%
CMY	0.7075, 0.2287, 0.0130
CMYK	0.70, 0.22, 0.00, 0.01
HSL	199°, 96%, 64%
HSV	199°, 70%, 99%
XYZ	40.2831, 48.2781, 99.0207
YIQ	166.7920, -90.3670, -8.7590

Conversions

Conversions Part 2

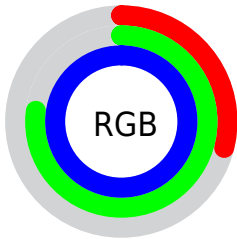
Format	Color
R _Y B	75, 147, 252
Decimal	4965884
CIE Lab	75.00, -16.67, -36.87
CIE LCh	75, 40.464, 245.679
Yxy	48.2781, 0.2147, 0.2574
Android (android.graphics.Color)	4283155964 (0xFF4BC5FC)
YUV	166.7920, 42.0075, -80.5016
Hunter-Lab	69.4824, -18.1072, -35.8576

Details

The CIELCh color **75, 40.464, 245.679** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **67, 65.715, 49.618**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.231, 198.272**, and **56, 38.191, 249.847** is the 20% darker color. If you saturate the color by 10%, you get **72, 43.970, 249.599**, and if you desaturate by 10%, it is **78, 36.378, 242.444**.

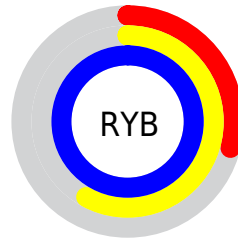
Distribution



Red (29%)

Green (77%)

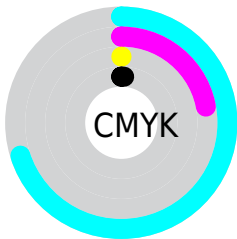
Blue (99%)



Red (29%)

Yellow (58%)

Blue (99%)

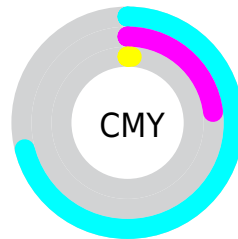


Cyan (70%)

Magenta (22%)

Yellow (0%)

Black (1%)



Cyan (71%)


Magenta (23%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.464, 245.679 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, 40.464, 245.679 by changing the saturation by 10% instead.


 75, 40.464,
245.679


 75, 40.464,
245.679


 100, 40.464,
245.679


 65, 40.464,
245.679


 95, 40.464,
245.679

 55, 40.464,
245.679

 45, 40.464,
245.679

 35, 40.464,
245.679

 25, 40.464,
245.679

 15, 40.464,
245.679

 5, 40.464, 245.679

■ 0, 40.464, 245.679

■ 75, 40.464,
245.679

■ 75, 40.464,
245.679

■ 72, 43.970,
249.599

■ 78, 36.378,
242.444

■ 70, 47.033,
254.206

■ 81, 31.664,
239.826

■ 67, 49.805,
259.114

■ 84, 26.337,
237.735

■ 88, 20.453,
236.079

■ 91, 14.092,
234.778

■ 95, 7.338, 233.780

99, 0.269, 235.087

100, 1.675,
110.007

Harmonies

Complementary

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



75, 40.464, 245.679



67, 65.715, 49.618

Rectangle

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



75, 40.464, 245.679



75, 40.464, 295.679



75, 40.464, 65.679



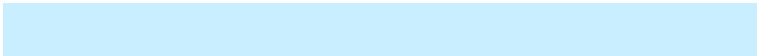
75, 40.464, 115.679

Sweetspot

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



75, 40.463, 245.679



92, 14.663, 234.853



88, 83.933, 146.367



48, 9.854, 235.186



0, 0.000, 0.000



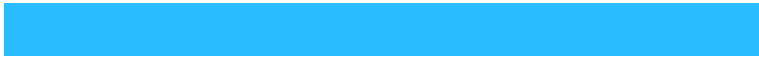
53, 0.007, 296.813

Same Dimension

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



75, 40.463, 245.679



72, 45.593, 251.222



51, 81.674, 294.444



50, 4.008, 233.707



51, 39.746, 258.128



16, 16.952, 250.667

Inverse Universe

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



61, 81.505, 341.014



58, 89.524, 343.020



87, 70.895, 91.782



49, 7.166, 335.340



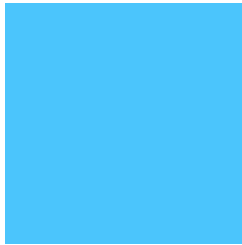
42, 73.106, 345.698



10, 33.927, 342.853

Previews

White Background



This preview shows how the CIELCh color 75, 40.464, 245.679 looks on a white background.

Color Contrast Check

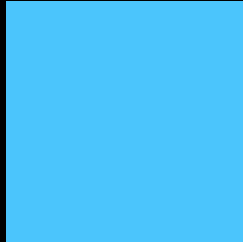
Large Text (above 18pt) WCAG AA × Fail

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, 40.464, 245.679 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

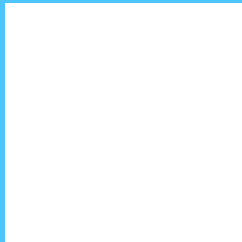
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 40.464, 245.679

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.464, 245.679.

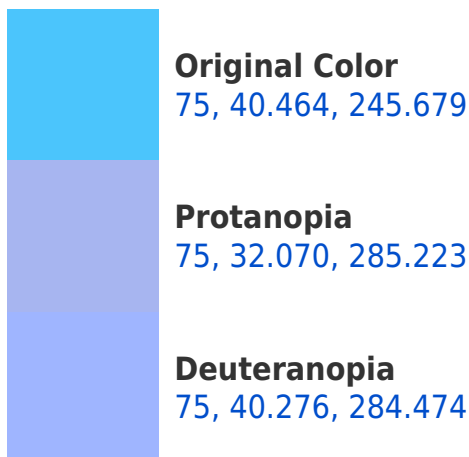


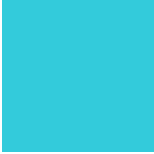
This preview shows how white text looks on a background with the CIELCh color 75, 40.464, 245.679.

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, 37.960, 210.171

Trichromacy



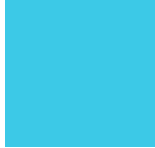
Original Color
75, 40.464, 245.679



Protanomaly
74, 33.877, 265.276



Deuteranomaly
74, 38.960, 268.373



Tritanomaly
75, 37.324, 223.225

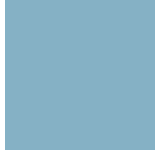
Monochromacy



Original Color
75, 40.464, 245.679



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 17.855, 236.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.464, 245.679 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(75, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(75, 197, 252)  
}
```

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(75, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 197, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.464, 245.679 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(75, 197, 252) }
```

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

```
.border{ border-color:rgb(75, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(75, 197,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.464, 245.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 197, 252) }
```

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

```
.background{ background-color: rgb(75, 197,  
252) }
```

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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