

Converting Colors

CIELCh(75, 42.867, 245.825)

Have a look what the booklet for
CIELCh(75, 42.867, 245.825)
contains.

CIELCh(75, 42.665, 245.668)	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, 42.665, 245.668)

Conversions

Conversions Part 1

Format	Color
Hex	3CC5FF
RGB	60, 197, 255
RGB Percent	24%, 77%, 100%
CMY	0.7663, 0.2261, 0.0000
CMYK	0.77, 0.23, 0.00, 0.00
HSL	198°, 100%, 62%
HSV	198°, 77%, 100%
XYZ	39.9898, 48.2781, 102.1222
YIQ	162.6490, -100.2700, -11.0060

Conversions

Conversions Part 2

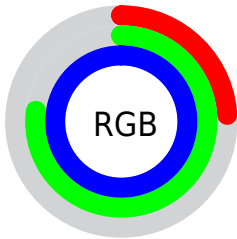
Format	Color
R _{YB}	60, 140, 255
Decimal	3982847
CIE Lab	75.00, -17.58, -38.88
CIE LCh	75, 42.665, 245.668
Yxy	48.2781, 0.2100, 0.2536
Android (android.graphics.Color)	4282172927 (0xFF3CC5FF)
YUV	162.6490, 45.5290, -90.0232
Hunter-Lab	69.4824, -18.8608, -38.5041

Details

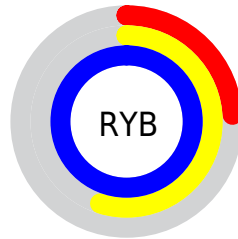
The CIELCh color **75, 42.665, 245.668** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **65, 73.981, 48.359**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.264, 198.099**, and **56, 39.230, 252.115** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.545, 249.677**, and if you desaturate by 10%, it is **78, 39.007, 241.885**.

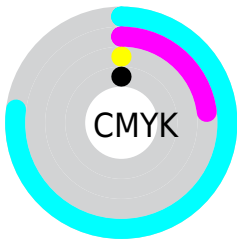
Distribution



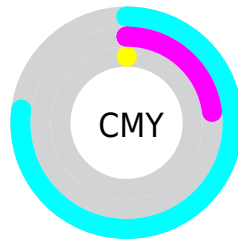
- Red (24%)
- Green (77%)
- Blue (100%)



- Red (24%)
- Yellow (55%)
- Blue (100%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 42.665, 245.668 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, 42.665, 245.668 by changing the saturation by 10% instead.

 75, 42.665,
245.668

 75, 42.665,
245.668

 100, 42.665,
245.668

 65, 42.665,
245.668

 95, 42.665,
245.668

 55, 42.665,
245.668

 45, 42.665,
245.668

 35, 42.665,
245.668

 25, 42.665,
245.668

 15, 42.665,
245.668

 5, 42.665, 245.668

■ 0, 42.665, 245.668

■ 75, 42.665,
245.668

■ 75, 42.665,
245.668

■ 72, 45.545,
249.677

■ 78, 39.007,
241.885

■ 70, 48.160,
254.583

■ 81, 34.796,
239.005

■ 69, 49.039,
256.286

■ 84, 29.907,
236.701

■ 87, 24.382,
234.880

■ 90, 18.294,
233.453

■ 94, 11.731,
232.347

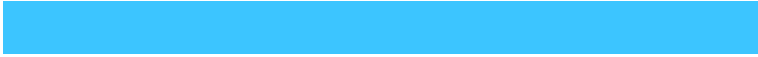
■ 98, 4.783, 231.544

100, 0.012,
296.813

Harmonies

Complementary

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



75, 42.665, 245.668



65, 73.981, 48.359

Rectangle

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



75, 42.665, 245.668



75, 42.665, 295.668



75, 42.665, 65.668



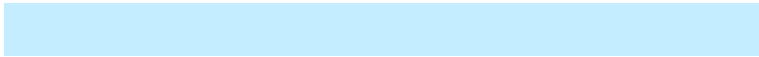
75, 42.665, 115.668

Sweetspot

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



75, 42.558, 245.428



92, 15.962, 233.017



89, 91.705, 144.663



48, 10.937, 233.451



0, 0.000, 0.000



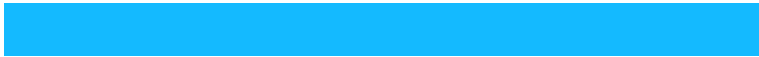
53, 0.007, 296.813

Same Dimension

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



75, 42.558, 245.428



71, 46.979, 252.240



49, 88.733, 295.556



51, 4.077, 231.736



53, 39.181, 255.323



17, 17.156, 248.343

Inverse Universe

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



60, 87.142, 340.994



57, 92.087, 343.408



87, 75.615, 89.709



50, 7.366, 334.707



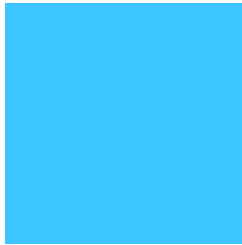
43, 74.551, 344.574



11, 35.119, 342.053

Previews

White Background



This preview shows how the CIELCh color 75, 42.665, 245.668 looks on a white background.

Color Contrast Check

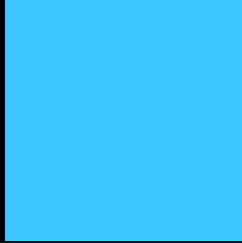
Large Text (above 18pt) WCAG AA × Fail

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, 42.665, 245.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

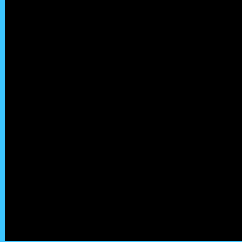
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

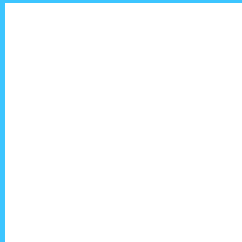
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.665, 245.668

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.665, 245.668.

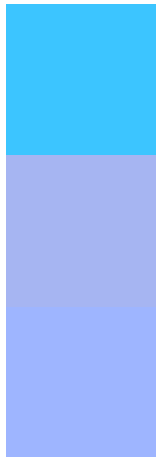


This preview shows how white text looks on a background with the CIELCh color 75, 42.665, 245.668.

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

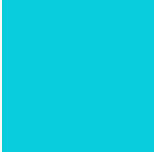
75, 42.593, 245.777

Protanopia

75, 33.164, 285.090

Deuteranopia

75, 40.313, 284.076



Tritanopia
75, 40.640, 209.107

Trichromacy



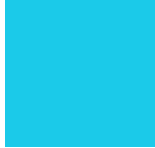
Original Color
75, 42.593, 245.777



Protanomaly
74, 35.849, 264.642



Deuteranomaly
74, 39.946, 266.944



Tritanomaly
75, 40.058, 222.030

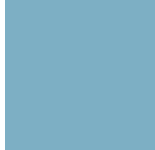
Monochromacy



Original Color
75, 42.593, 245.777



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 19.540, 234.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.665, 245.668 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(60, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 197, 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(60, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.665, 245.668 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(60, 197, 255) }
```

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

```
.border{ border-color:rgb(60, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 197,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.665, 245.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 197, 255) }
```

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

```
.background{ background-color: rgb(60, 197,  
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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