

Converting Colors

CIELCh(75, 35.031, 230.582)

Have a look what the booklet for
CIELCh(75, 35.031, 230.582)
contains.

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Color

CIELCh(75, 34.898, 230.725)

Conversions

Conversions Part 1

Format	Color
Hex	52C6E9
RGB	82, 198, 233
RGB Percent	32%, 78%, 91%
CMY	0.6766, 0.2221, 0.0848
CMYK	0.65, 0.15, 0.00, 0.08
HSL	194°, 78%, 62%
HSV	194°, 65%, 92%
XYZ	38.5620, 48.2781, 84.6638
YIQ	167.3060, -80.3710, -13.7070

Conversions

Conversions Part 2

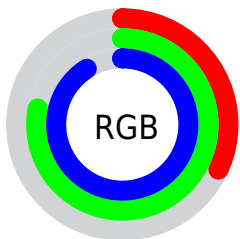
Format	Color
R _Y B	82, 148, 233
Decimal	5424873
CIE Lab	75.00, -22.09, -27.02
CIE LCh	75, 34.898, 230.725
Yxy	48.2781, 0.2248, 0.2815
Android (android.graphics.Color)	4283614953 (0xFF52C6E9)
YUV	167.3060, 32.3871, -74.8134
Hunter-Lab	69.4824, -22.5287, -23.6067

Details

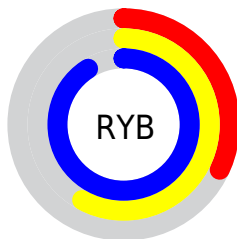
The CIELCh color **75, 34.898, 230.725** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **62, 57.842, 43.319**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **55, 33.221, 232.477** is the 20% darker color. If you saturate the color by 10%, you get **73, 37.778, 233.433**, and if you desaturate by 10%, it is **77, 31.234, 228.587**.

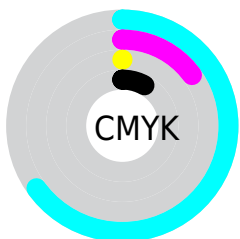
Distribution



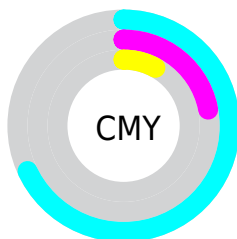
- Red (32%)
- Green (78%)
- Blue (91%)



- Red (32%)
- Yellow (58%)
- Blue (91%)



- Cyan (65%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)





- Cyan (68%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 34.898, 230.725 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, 34.898, 230.725 by changing the saturation by 10% instead.


 75, 34.898,
230.725


 75, 34.898,
230.725


 100, 34.898,
230.725


 65, 34.898,
230.725


 95, 34.898,
230.725

 55, 34.898,
230.725

 45, 34.898,
230.725

 35, 34.898,
230.725

 25, 34.898,
230.725

 15, 34.898,
230.725

 5, 34.898, 230.725

0, 34.898, 230.725

75, 34.898,
230.725

75, 34.898,
230.725

73, 37.778,
233.433

77, 31.234,
228.587

71, 39.919,
236.795

80, 26.814,
226.928

69, 41.453,
240.847

82, 21.705,
225.661

68, 42.152,
243.198

85, 15.999,
224.710

88, 9.796, 224.018

91, 3.194, 223.622

94, 3.723, 42.901

■ 96, 6.389, 61.057

■ 98, 7.522, 87.363

Harmonies

Complementary

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



75, 34.898, 230.725



62, 57.842, 43.319

Rectangle

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



75, 34.898, 230.725



75, 34.898, 280.725



75, 34.898, 50.725



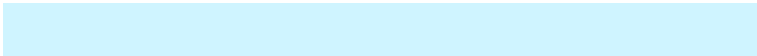
75, 34.898, 100.725

Sweetspot

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



75, 34.897, 230.724



94, 13.472, 224.294



83, 78.592, 144.503



49, 9.192, 224.499



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, 34.897, 230.724



78, 41.334, 234.602



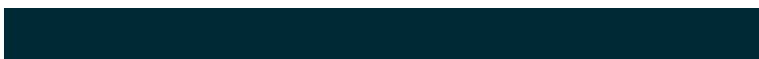
54, 62.240, 287.998



48, 3.863, 223.758



54, 34.732, 242.394



15, 14.533, 235.085

Inverse Universe

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



60, 76.311, 336.428



61, 91.529, 337.744



79, 58.818, 86.356



46, 7.195, 332.250



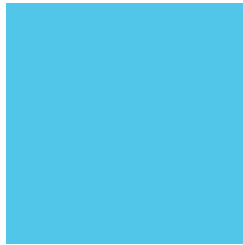
41, 74.775, 340.147



8, 32.823, 338.022

Previews

White Background



This preview shows how the CIELCh color 75, 34.898, 230.725 looks on a white background.

Color Contrast Check

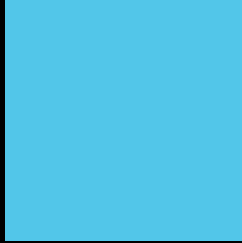
Large Text (above 18pt) WCAG AA × Fail

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, 34.898, 230.725 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, 34.898, 230.725

Background



This preview shows how black text looks on a background with the CIELCh color 75, 34.898, 230.725.

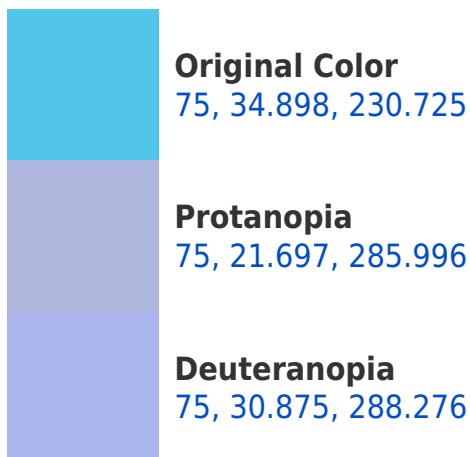


This preview shows how white text looks on a background with the CIELCh color 75, 34.898, 230.725.

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, 34.751, 211.639

Trichromacy



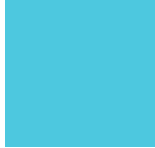
Original Color
75, 34.898, 230.725



Protanomaly
74, 24.707, 255.581



Deuteranomaly
74, 29.594, 263.218

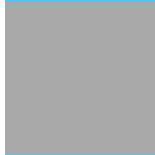


Tritanomaly
75, 34.407, 218.645

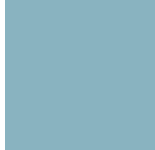
Monochromacy



Original Color
75, 34.898, 230.725



Achromatopsia
69, 0.009, 296.813



Achromatomaly
70, 15.648, 225.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 34.898, 230.725 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(82, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(82, 198, 233)  
}
```

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(82, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 198, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 34.898, 230.725 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(82, 198, 233) }
```

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

```
.border{ border-color:rgb(82, 198, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 198, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 198, 233);  
box-shadow:4px 4px 4px 4px rgb(82, 198,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 34.898, 230.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 198, 233) }
```

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

```
.background{ background-color: rgb(82, 198,  
233) }
```

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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