

Converting Colors

CIELCh(74, 35.317, 229.247)

Have a look what the booklet for
CIELCh(74, 35.317, 229.247)
contains.

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Color

CIELCh(74, 35.317, 229.247)

Conversions

Conversions Part 1

Format	Color
Hex	4BC4E6
RGB	75, 196, 230
RGB Percent	29%, 77%, 90%
CMY	0.7057, 0.2313, 0.0979
CMYK	0.67, 0.15, 0.00, 0.10
HSL	193°, 76%, 60%
HSV	193°, 67%, 90%
XYZ	36.9373, 46.7039, 81.9512
YIQ	163.6970, -83.0300, -15.0780

Conversions

Conversions Part 2

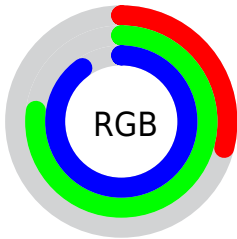
Format	Color
RYB	75, 143, 230
Decimal	4965606
CIELab	74.00, -23.05, -26.75
CIELCh	74, 35.317, 229.247
Yxy	46.7039, 0.2231, 0.2820
Android (android.graphics.Color)	4283155686 (0xFF4BC4E6)
YUV	163.6970, 32.6874, -77.7873
Hunter-Lab	68.3403, -23.1180, -23.2602

Details

The CIELCh color **74, 35.317, 229.247** 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 **60, 60.491, 42.546**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.609, 199.129**, and **54, 32.777, 231.874** is the 20% darker color. If you saturate the color by 10%, you get **72, 37.874, 231.956**, and if you desaturate by 10%, it is **76, 31.961, 227.109**.

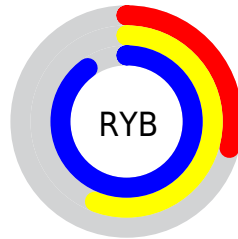
Distribution



Red (29%)

Green (77%)

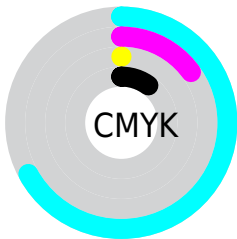
Blue (90%)



Red (29%)

Yellow (56%)

Blue (90%)

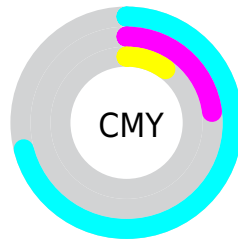


Cyan (67%)

Magenta (15%)

Yellow (0%)

Black (10%)



Cyan (71%)


Magenta (23%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 35.317, 229.247 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 74, 35.317, 229.247 by changing the saturation by 10% instead.

 74, 35.317,
229.247


 74, 35.317,
229.247


 100, 35.317,
229.247


 64, 35.317,
229.247


 94, 35.317,
229.247


 54, 35.317,
229.247

 44, 35.317,
229.247

 34, 35.317,
229.247

 24, 35.317,
229.247

 14, 35.317,
229.247

 4, 35.317, 229.247

■ 0, 35.317, 229.247

■ 74, 35.317,
229.247

■ 74, 35.317,
229.247

■ 72, 37.874,
231.956

■ 76, 31.961,
227.109

■ 70, 39.692,
235.314

■ 78, 27.821,
225.453

■ 69, 40.930,
239.332

■ 81, 22.959,
224.193

■ 68, 41.230,
240.431

■ 84, 17.466,
223.252

■ 86, 11.442,
222.570

■ 89, 4.987, 222.135

■ 92, 1.809, 41.335

■ 95, 7.486, 45.514

■ 96, 7.610, 69.444

Harmonies

Complementary

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



74, 35.317, 229.247



60, 60.491, 42.546

Rectangle

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



74, 35.317, 229.247



74, 35.317, 279.247



74, 35.317, 49.247



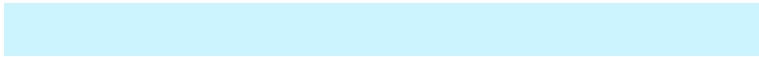
74, 35.317, 99.247

Sweetspot

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



74, 35.316, 229.246



94, 14.203, 222.733



81, 80.348, 144.092



49, 9.605, 222.920



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 35.316, 229.246



78, 41.836, 233.245



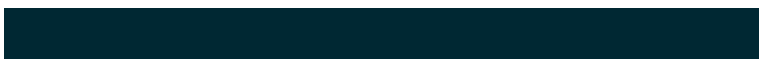
52, 64.336, 288.824



47, 3.813, 222.200



54, 34.011, 239.651



14, 14.025, 232.314

Inverse Universe

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



58, 78.267, 336.083



60, 93.790, 337.402



78, 60.348, 85.961



45, 7.130, 331.785



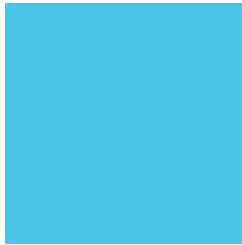
40, 74.681, 339.325



8, 32.117, 337.263

Previews

White Background



This preview shows how the CIELCh color 74, 35.317, 229.247 looks on a white background.

Color Contrast Check

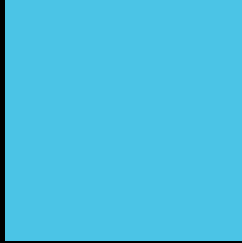
Large Text (above 18pt) WCAG AA × Fail

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 74, 35.317, 229.247 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 74, 35.317, 229.247

Background



This preview shows how black text looks on a background with the CIELCh color 74, 35.317, 229.247.

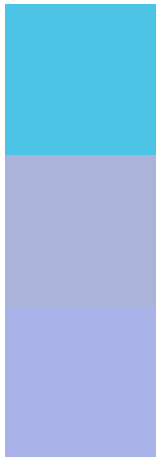


This preview shows how white text looks on a background with the CIELCh color 74, 35.317, 229.247.

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


74, 35.317, 229.247

Protanopia

74, 21.226, 285.814

Deuteranopia

74, 30.401, 288.168

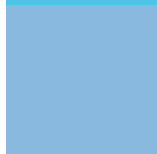


Tritanopia
74, 35.505, 211.288

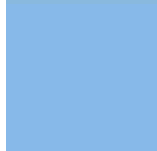
Trichromacy



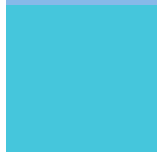
Original Color
74, 35.317, 229.247



Protanomaly
73, 24.502, 254.262



Deuteranomaly
73, 29.430, 261.724

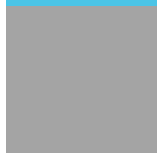


Tritanomaly
74, 35.096, 217.219

Monochromacy



Original Color
74, 35.317, 229.247



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 16.044, 222.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 35.317, 229.247 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, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(75, 196, 230)  
}
```

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, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 196, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 35.317, 229.247 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, 196, 230) }
```

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

```
.border{ border-color:rgb(75, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(75, 196,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 35.317, 229.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 196, 230) }
```

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

```
.background{ background-color: rgb(75, 196,  
230) }
```

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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