

Converting Colors

CIELCh(74, 35.098, 227.691)

Have a look what the booklet for
CIELCh(74, 35.098, 227.691)
contains.

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Color

CIELCh(74, 35.154, 228.351)

Conversions

Conversions Part 1

Format	Color
Hex	4BC4E5
RGB	75, 196, 229
RGB Percent	29%, 77%, 90%
CMY	0.7052, 0.2309, 0.1014
CMYK	0.67, 0.14, 0.00, 0.10
HSL	193°, 75%, 60%
HSV	193°, 67%, 90%
XYZ	36.8440, 46.7039, 81.2967
YIQ	163.5830, -82.7090, -15.3890

Conversions

Conversions Part 2

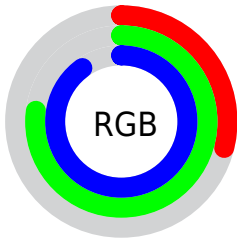
Format	Color
R_{YB}	75, 143, 229
Decimal	4965605
CIE _{Lab}	74.00, -23.36, -26.27
CIE _{LCh}	74, 35.154, 228.351
Yxy	46.7039, 0.2235, 0.2833
Android (android.graphics.Color)	4283155685 (0xFF4BC4E5)
YUV	163.5830, 32.2506, -77.6873
Hunter-Lab	68.3403, -23.3615, -22.6924

Details

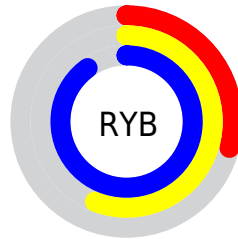
The CIELCh color **74, 35.154, 228.351** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **60, 60.259, 42.167**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.609, 199.129**, and **54, 32.601, 230.829** is the 20% darker color. If you saturate the color by 10%, you get **72, 37.687, 230.980**, and if you desaturate by 10%, it is **76, 31.813, 226.281**.

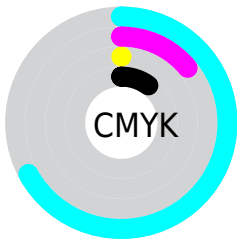
Distribution



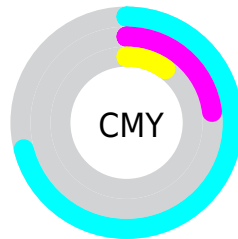
- Red (29%)
- Green (77%)
- Blue (90%)



- Red (29%)
- Yellow (56%)
- Blue (90%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)





- Cyan (71%)
- Magenta (23%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 35.154, 228.351 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, 35.154, 228.351 by changing the saturation by 10% instead.


 74, 35.154,
228.351


 74, 35.154,
228.351


 100, 35.154,
228.351


 64, 35.154,
228.351


 94, 35.154,
228.351

 54, 35.154,
228.351

 44, 35.154,
228.351

 34, 35.154,
228.351

 24, 35.154,
228.351

 14, 35.154,
228.351

 4, 35.154, 228.351

0, 35.154, 228.351

74, 35.154,
228.351

74, 35.154,
228.351

72, 37.687,
230.980

76, 31.813,
226.281

70, 39.468,
234.247

78, 27.683,
224.683

69, 40.650,
238.172

81, 22.827,
223.471

68, 40.950,
239.326

83, 17.337,
222.570

86, 11.315,
221.924

89, 4.860, 221.521

■ 92, 1.935, 40.765

■ 95, 7.801, 44.112

■ 96, 7.805, 66.647

Harmonies

Complementary

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



74, 35.154, 228.351



60, 60.259, 42.167

Rectangle

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



74, 35.154, 228.351



74, 35.154, 278.351



74, 35.154, 48.351



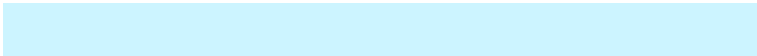
74, 35.154, 98.351

Sweetspot

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



74, 35.153, 228.350



94, 14.232, 222.089



81, 80.884, 143.600



49, 9.624, 222.267



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, 35.153, 228.350



79, 41.782, 232.298



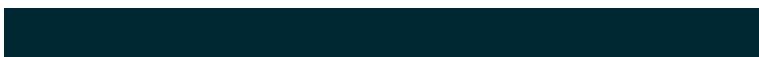
53, 62.398, 287.707



47, 3.822, 221.584



54, 33.891, 238.570



14, 14.009, 231.387

Inverse Universe

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



58, 78.141, 335.836



60, 94.109, 337.142



77, 59.444, 84.650



45, 7.156, 331.603



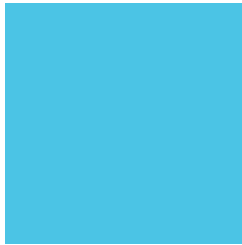
40, 74.954, 339.010



8, 32.221, 337.014

Previews

White Background



This preview shows how the CIELCh color 74, 35.154, 228.351 looks on a white background.

Color Contrast Check

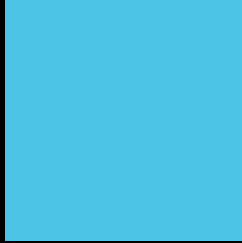
Large Text (above 18pt) WCAG AA × Fail

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, 35.154, 228.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

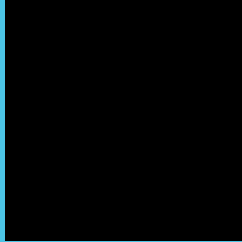
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 35.154, 228.351

Background



This preview shows how black text looks on a background with the CIELCh color 74, 35.154, 228.351.

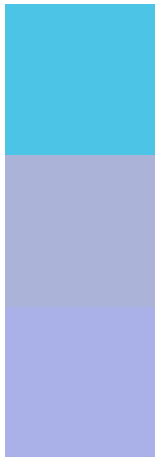


This preview shows how white text looks on a background with the CIELCh color 74, 35.154, 228.351.

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, 35.154, 228.351

Protanopia

74, 20.689, 285.582

Deuteranopia

73, 30.413, 288.780

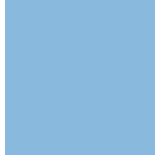


Tritanopia
74, 35.370, 211.352

Trichromacy



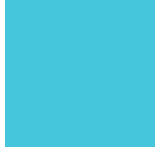
Original Color
74, 35.154, 228.351



Protanomaly
73, 24.104, 253.349



Deuteranomaly
73, 29.206, 262.704



Tritanomaly
74, 34.962, 217.307

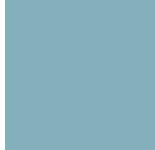
Monochromacy



Original Color
74, 35.154, 228.351



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, 35.154, 228.351 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(75, 196, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 196, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 35.154, 228.351 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, 229) }
```

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

```
.border{ border-color:rgb(75, 196, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 196, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 196, 229);  
box-shadow:4px 4px 4px 4px rgb(75, 196,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 35.154, 228.351 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, 229) }
```

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

```
.background{ background-color: rgb(75, 196,  
229) }
```

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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