

Converting Colors

CIELCh(74, 36.265, 233.711)

Have a look what the booklet for
CIELCh(74, 36.265, 233.711)
contains.

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Color

CIELCh(74, 36.365, 233.456)

Conversions

Conversions Part 1

Format	Color
Hex	49C4EB
RGB	73, 196, 235
RGB Percent	29%, 77%, 92%
CMY	0.7119, 0.2330, 0.0801
CMYK	0.69, 0.17, 0.00, 0.08
HSL	195°, 80%, 60%
HSV	195°, 69%, 92%
XYZ	37.3646, 46.7039, 85.3234
YIQ	163.6690, -85.8270, -13.9470

Conversions

Conversions Part 2

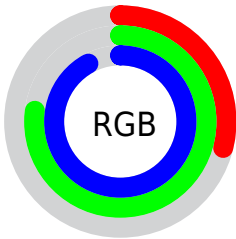
Format	Color
RYB	73, 143, 235
Decimal	4834539
CIELab	74.00, -21.65, -29.22
CIELCh	74, 36.365, 233.456
Yxy	46.7039, 0.2206, 0.2757
Android (android.graphics.Color)	4283024619 (0xFF49C4EB)
YUV	163.6690, 35.1662, -79.5167
Hunter-Lab	68.3403, -22.0018, -26.1859

Details

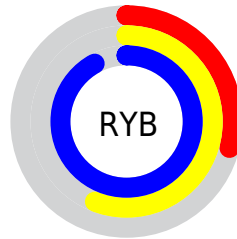
The CIELCh color **74, 36.365, 233.456** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **61, 62.187, 44.291**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.837, 199.104**, and **55, 33.801, 236.924** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.029, 236.547**, and if you desaturate by 10%, it is **76, 32.946, 230.987**.

Distribution



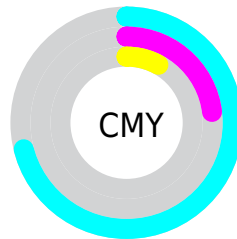
- Red (29%)
- Green (77%)
- Blue (92%)



- Red (29%)
- Yellow (56%)
- Blue (92%)



- Cyan (69%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)





- Cyan (71%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 36.365, 233.456 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, 36.365, 233.456 by changing the saturation by 10% instead.


 74, 36.365,
233.456


 74, 36.365,
233.456


 100, 36.365,
233.456


 64, 36.365,
233.456


 94, 36.365,
233.456

 54, 36.365,
233.456

 44, 36.365,
233.456

 34, 36.365,
233.456

 24, 36.365,
233.456

 14, 36.365,
233.456

 4, 36.365, 233.456

■ 0, 36.365, 233.456

■ 74, 36.365,
233.456

■ 74, 36.365,
233.456

■ 72, 39.029,
236.547

■ 76, 32.946,
230.987

■ 70, 41.024,
240.326

■ 79, 28.772,
229.051

■ 68, 42.549,
244.749

■ 81, 23.891,
227.554

■ 68, 42.749,
245.341

■ 84, 18.388,
226.413

■ 87, 12.356,
225.560

■ 90, 5.894, 224.966

■ 93, 0.910, 43.731

■ 96, 5.999, 52.691

■ 97, 6.830, 83.660

Harmonies

Complementary

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



74, 36.365, 233.456



61, 62.187, 44.291

Rectangle

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



74, 36.365, 233.456



74, 36.365, 283.456



74, 36.365, 53.456



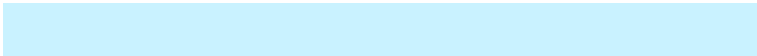
74, 36.365, 103.456

Sweetspot

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



74, 36.364, 233.456



93, 14.758, 225.742



83, 81.886, 144.408



49, 9.904, 225.970



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, 36.364, 233.456



77, 42.433, 237.859



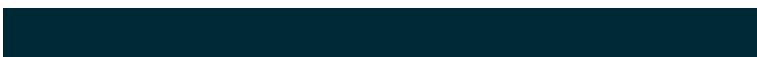
52, 68.402, 290.264



48, 3.849, 225.001



53, 35.064, 244.499



15, 14.598, 236.939

Inverse Universe

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



58, 79.318, 337.272



60, 92.806, 338.716



79, 62.968, 87.069



46, 7.144, 332.623



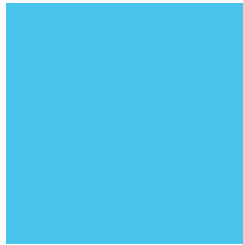
41, 74.246, 340.800



8, 32.616, 338.543

Previews

White Background



This preview shows how the CIE LCh color 74, 36.365, 233.456 looks on a white background.

Color Contrast Check

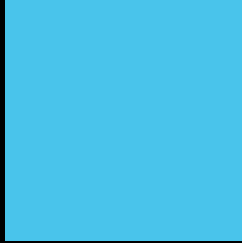
Large Text (above 18pt) WCAG AA × Fail

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, 36.365, 233.456 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, 36.365, 233.456

Background



This preview shows how black text looks on a background with the CIELCh color 74, 36.365, 233.456.

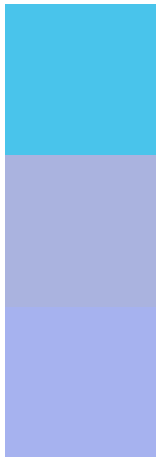


This preview shows how white text looks on a background with the CIELCh color 74, 36.365, 233.456.

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

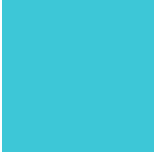
74, 36.482, 233.317

Protanopia

74, 23.967, 285.292

Deuteranopia

74, 33.171, 286.727



Tritanopia
74, 36.146, 210.989

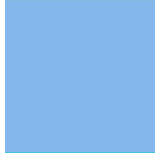
Trichromacy



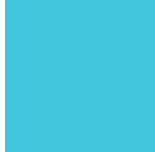
Original Color
74, 36.482, 233.317



Protanomaly
73, 26.851, 257.416



Deuteranomaly
73, 31.915, 263.986

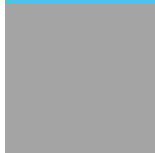


Tritanomaly
74, 35.609, 218.809

Monochromacy



Original Color
74, 36.482, 233.317



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 16.624, 228.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 36.365, 233.456 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(73, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(73, 196, 235)  
}
```

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(73, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 196, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 36.365, 233.456 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(73, 196, 235) }
```

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

```
.border{ border-color:rgb(73, 196, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(73, 196,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 36.365, 233.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 196, 235) }
```

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

```
.background{ background-color: rgb(73, 196,  
235) }
```

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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