

Converting Colors

CIELCh(76, 39.328, 236.173)

Have a look what the booklet for
CIELCh(76, 39.328, 236.173)
contains.

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Color

CIELCh(76, 39.329, 236.034)

Conversions

Conversions Part 1

Format	Color
Hex	41CAF7
RGB	65, 202, 247
RGB Percent	25%, 79%, 97%
CMY	0.7434, 0.2094, 0.0330
CMYK	0.73, 0.18, 0.00, 0.03
HSL	195°, 92%, 61%
HSV	195°, 73%, 97%
XYZ	39.9629, 49.8872, 95.1917
YIQ	166.1670, -96.0970, -15.0490

Conversions

Conversions Part 2

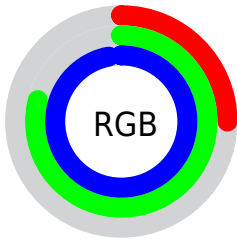
Format	Color
R _{YB}	65, 143, 247
Decimal	4311799
CIE _{Lab}	76.00, -21.97, -32.62
CIE _{LCh}	76, 39.329, 236.034
Y _{xy}	49.8872, 0.2160, 0.2696
Android (android.graphics.Color)	4282501879 (0xFF41CAF7)
YUV	166.1670, 39.8507, -88.7235
Hunter-Lab	70.6309, -22.6089, -30.4656

Details

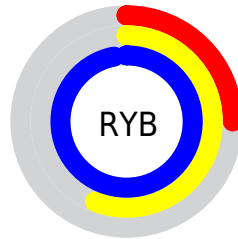
The CIELCh color **76, 39.329, 236.034** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **63, 70.050, 44.988**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **57, 35.697, 240.221** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.806, 239.554**, and if you desaturate by 10%, it is **78, 36.114, 233.186**.

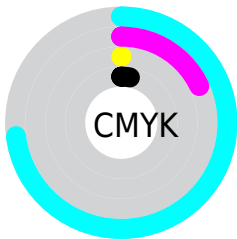
Distribution



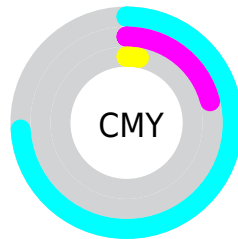
- Red (25%)
- Green (79%)
- Blue (97%)



- Red (25%)
- Yellow (56%)
- Blue (97%)



- Cyan (73%)
- Magenta (18%)
- Yellow (0%)
- Black (3%)





- Cyan (74%)
- Magenta (21%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.329, 236.034 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 76, 39.329, 236.034 by changing the saturation by 10% instead.


 76, 39.329,
236.034


 76, 39.329,
236.034


 100, 39.329,
236.034


 66, 39.329,
236.034


 96, 39.329,
236.034

 56, 39.329,
236.034

 46, 39.329,
236.034

 36, 39.329,
236.034

 26, 39.329,
236.034

 16, 39.329,
236.034

 6, 39.329, 236.034

■ 0, 39.329, 236.034

■ 76, 39.329,
236.034

■ 76, 39.329,
236.034

■ 74, 41.806,
239.554

■ 78, 36.114,
233.186

■ 72, 43.684,
243.778

■ 81, 32.120,
230.929

■ 71, 44.743,
246.816

■ 84, 27.370,
229.168

■ 87, 21.935,
227.811

■ 90, 15.908,
226.782

■ 93, 9.390, 226.023

■ 96, 2.477, 225.621

■ 99, 2.540, 72.187

■ 100, 4.250,
109.842

Harmonies

Complementary

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



76, 39.329, 236.034



63, 70.050, 44.988

Rectangle

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



76, 39.329, 236.034



76, 39.329, 286.034



76, 39.329, 56.034



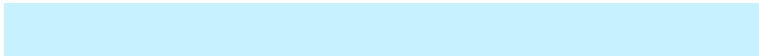
76, 39.329, 106.034

Sweetspot

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



76, 39.328, 236.034



93, 15.389, 226.658



86, 89.808, 143.589



49, 10.254, 226.898



0, 0.000, 0.000



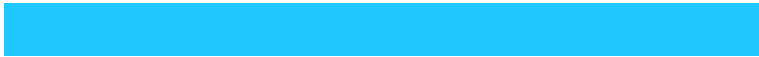
53, 0.007, 296.813

Same Dimension

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



76, 39.328, 236.034



75, 43.848, 241.448



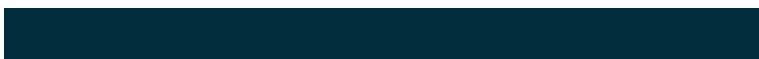
52, 76.762, 291.860



50, 3.978, 225.795



54, 36.053, 245.918



16, 15.564, 238.950

Inverse Universe

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



60, 85.571, 338.088



58, 94.314, 339.822



82, 69.345, 86.319



48, 7.365, 332.865



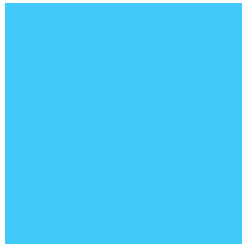
42, 75.433, 341.253



10, 34.337, 339.120

Previews

White Background



This preview shows how the CIELCh color 76, 39.329, 236.034 looks on a white background.

Color Contrast Check

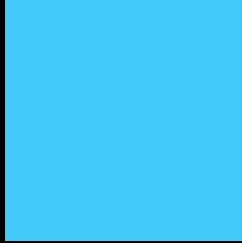
Large Text (above 18pt) WCAG AA × Fail

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 76, 39.329, 236.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

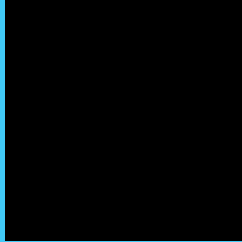
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 39.329, 236.034

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.329, 236.034.



This preview shows how white text looks on a background with the CIELCh color 76, 39.329, 236.034.

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

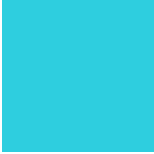
76, 39.423, 235.921

Protanopia

76, 27.073, 285.771

Deuteranopia

76, 36.804, 286.328



Tritanopia
76, 38.919, 210.604

Trichromacy



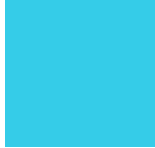
Original Color
76, 39.423, 235.921



Protanomaly
75, 30.398, 259.939



Deuteranomaly
75, 35.235, 264.316

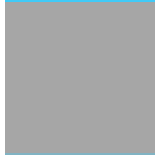


Tritanomaly
76, 38.311, 220.559

Monochromacy



Original Color
76, 39.423, 235.921



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 18.357, 226.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.329, 236.034 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(65, 202, 247)` looks like.

```
.text, #text, p{  
    color:rgb(65, 202, 247)  
}
```

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(65, 202, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 202, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.329, 236.034 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(65, 202, 247) }
```

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

```
.border{ border-color:rgb(65, 202, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 202, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 202, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 202, 247);  
box-shadow:4px 4px 4px 4px rgb(65, 202,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.329, 236.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 202, 247) }
```

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

```
.background{ background-color: rgb(65, 202,  
247) }
```

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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