

Converting Colors

CIELCh(76, 39.936, 215.151)

Have a look what the booklet for
CIELCh(76, 39.936, 215.151)
contains.

CIELCh(76, 40.020, 215.116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 40.020, 215.116)

Conversions

Conversions Part 1

Format	Color
Hex	1ECEEE5
RGB	30, 206, 229
RGB Percent	12%, 81%, 90%
CMY	0.8821, 0.1935, 0.1034
CMYK	0.87, 0.10, 0.00, 0.10
HSL	187°, 79%, 51%
HSV	187°, 87%, 90%
XYZ	36.6162, 49.8872, 81.5672
YIQ	155.9980, -112.2790, -30.1590

Conversions

Conversions Part 2

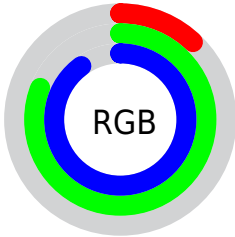
Format	Color
R_{YB}	30, 123, 229
Decimal	2019045
CIE _{Lab}	76.00, -32.74, -23.02
CIE _{LCh}	76, 40.020, 215.116
Yxy	49.8872, 0.2179, 0.2968
Android (android.graphics.Color)	4280209125 (0xFF1ECEEE5)
YUV	155.9980, 35.9900, -110.5002
Hunter-Lab	70.6309, -31.0668, -19.0287

Details

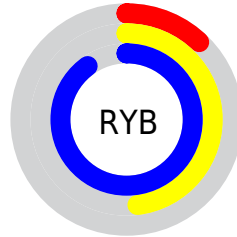
The CIELCh color **76, 40.020, 215.116** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **51, 84.663, 39.580**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **57, 32.831, 219.661** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.545, 217.078**, and if you desaturate by 10%, it is **77, 38.664, 213.546**.

Distribution



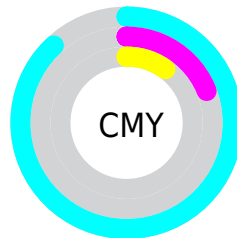
- Red (12%)
- Green (81%)
- Blue (90%)



- Red (12%)
- Yellow (48%)
- Blue (90%)



- Cyan (87%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (88%)
- Magenta (19%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 40.020, 215.116 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, 40.020, 215.116 by changing the saturation by 10% instead.


 76, 40.020,
215.116


 76, 40.020,
215.116


 100, 40.020,
215.116


 66, 40.020,
215.116


 96, 40.020,
215.116

 56, 40.020,
215.116

 46, 40.020,
215.116

 36, 40.020,
215.116

 26, 40.020,
215.116

 16, 40.020,
215.116

 6, 40.020, 215.116

■ 0, 40.020, 215.116

■ 76, 40.020,
215.116

■ 76, 40.020,
215.116

■ 75, 40.545,
217.078

■ 77, 38.664,
213.546

■ 75, 40.628,
217.743

■ 78, 36.370,
212.340

■ 80, 33.113,
211.450

■ 81, 28.933,
210.827

■ 83, 23.911,
210.427

■ 85, 18.158,
210.211

■ 87, 11.792,
210.151

■ 89, 4.932, 210.260

■ 92, 2.314, 29.997

Harmonies

Complementary

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



76, 40.020, 215.116



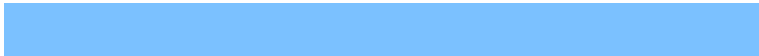
51, 84.663, 39.580

Rectangle

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



76, 40.020, 215.116



76, 40.020, 265.116



76, 40.020, 35.116



76, 40.020, 85.116

Sweetspot

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



76, 40.019, 215.115



94, 19.256, 210.202



80, 102.413, 138.120



49, 12.880, 210.255



0, 0.000, 0.000



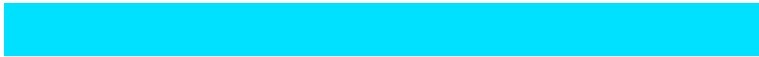
53, 0.007, 296.813

Same Dimension

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



76, 40.019, 215.115



83, 44.104, 217.889



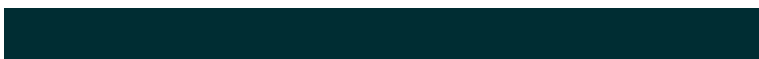
48, 70.119, 287.768



47, 4.071, 210.207



60, 33.797, 217.354



16, 14.357, 213.732

Inverse Universe

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



54, 94.889, 332.794



59, 105.351, 333.570



68, 71.011, 72.366



45, 7.671, 328.284



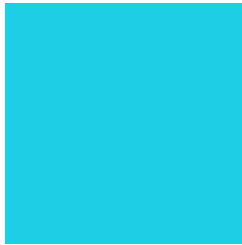
41, 80.773, 333.438



8, 34.370, 332.548

Previews

White Background



This preview shows how the CIELCh color 76, 40.020, 215.116 looks on a white background.

Color Contrast Check

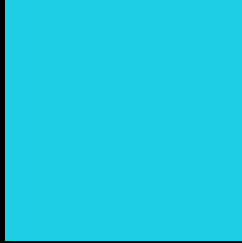
Large Text (above 18pt) WCAG AA × Fail

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, 40.020, 215.116 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, 40.020, 215.116

Background



This preview shows how black text looks on a background with the CIELCh color 76, 40.020, 215.116.



This preview shows how white text looks on a background with the CIELCh color 76, 40.020, 215.116.

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

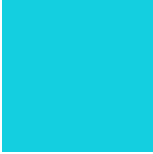
76, 40.076, 215.087

Protanopia

75, 16.224, 286.819

Deuteranopia

75, 28.072, 290.759

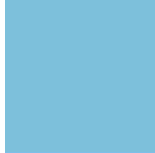


Tritanopia
76, 40.791, 209.041

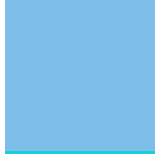
Trichromacy



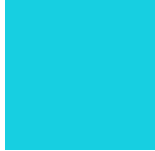
Original Color
76, 40.076, 215.087



Protanomaly
74, 24.682, 234.758



Deuteranomaly
74, 28.796, 249.273

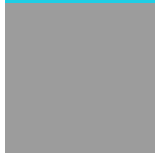


Tritanomaly
76, 40.571, 210.733

Monochromacy



Original Color
76, 40.076, 215.087



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 21.191, 209.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 40.020, 215.116 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(30, 206, 229)` looks like.

```
.text, #text, p{  
    color:rgb(30, 206, 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(30, 206, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 206, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 40.020, 215.116 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(30, 206, 229) }
```

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

```
.border{ border-color:rgb(30, 206, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 206, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 206, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 206, 229);  
box-shadow:4px 4px 4px 4px rgb(30, 206,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 40.020, 215.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 206, 229) }
```

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

```
.background{ background-color: rgb(30, 206,  
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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