

Converting Colors

CIELCh(76, 36.046, 218.045)

Have a look what the booklet for
CIELCh(76, 36.046, 218.045)
contains.

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Color

CIELCh(76, 36.087, 217.447)

Conversions

Conversions Part 1

Format	Color
Hex	46CCE3
RGB	70, 204, 227
RGB Percent	27%, 80%, 89%
CMY	0.7268, 0.2010, 0.1108
CMYK	0.69, 0.10, 0.00, 0.11
HSL	189°, 74%, 58%
HSV	189°, 69%, 89%
XYZ	37.8638, 49.8872, 80.1223
YIQ	166.5560, -87.2470, -21.2550

Conversions

Conversions Part 2

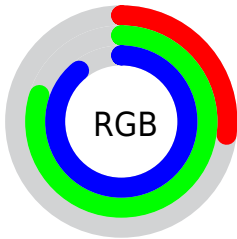
Format	Color
RYB	70, 142, 227
Decimal	4639971
CIELab	76.00, -28.65, -21.94
CIELCh	76, 36.087, 217.447
Yxy	49.8872, 0.2255, 0.2972
Android (android.graphics.Color)	4282830051 (0xFF46CCE3)
YUV	166.5560, 29.7989, -84.6796
Hunter-Lab	70.6309, -27.9139, -17.8158

Details

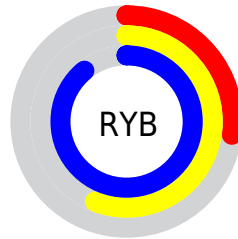
The CIELCh color **76, 36.087, 217.447** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 64.400, 37.869**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **57, 32.601, 221.026** is the 20% darker color. If you saturate the color by 10%, you get **75, 38.159, 219.193**, and if you desaturate by 10%, it is **78, 33.094, 216.111**.

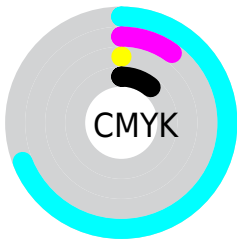
Distribution



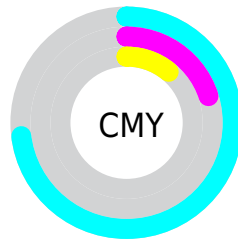
- Red (27%)
- Green (80%)
- Blue (89%)



- Red (27%)
- Yellow (56%)
- Blue (89%)



- Cyan (69%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)





- Cyan (73%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 36.087, 217.447 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, 36.087, 217.447 by changing the saturation by 10% instead.

 76, 36.087,
217.447

 76, 36.087,
217.447


 100, 36.087,
217.447


 66, 36.087,
217.447


 96, 36.087,
217.447

 56, 36.087,
217.447

 46, 36.087,
217.447

 36, 36.087,
217.447

 26, 36.087,
217.447

 16, 36.087,
217.447

 6, 36.087, 217.447

■ 0, 36.087, 217.447

■ 76, 36.087,
217.447

■ 76, 36.087,
217.447

■ 75, 38.159,
219.193

■ 78, 33.094,
216.111

■ 73, 39.358,
221.411

■ 79, 29.205,
215.122

■ 72, 39.867,
224.099

■ 81, 24.489,
214.420

■ 72, 39.897,
224.299

■ 83, 19.047,
213.952

■ 85, 12.992,
213.676

■ 88, 6.437, 213.579

■ 90, 0.512, 32.269

■ 93, 7.762, 33.434

■ 94, 8.552, 44.118

Harmonies

Complementary

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



76, 36.087, 217.447



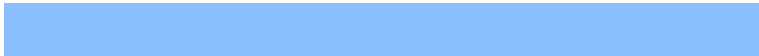
57, 64.400, 37.869

Rectangle

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



76, 36.087, 217.447



76, 36.087, 267.447



76, 36.087, 37.447



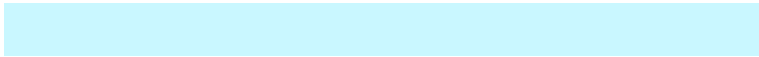
76, 36.087, 87.447

Sweetspot

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



76, 36.086, 217.446



94, 15.473, 213.714



80, 85.993, 141.355



50, 10.374, 213.782



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, 36.086, 217.446



82, 42.370, 220.078



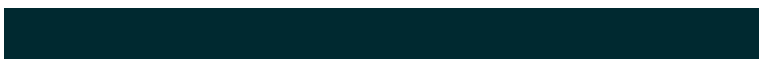
54, 57.794, 283.693



46, 3.905, 213.579



57, 33.024, 223.771



15, 13.685, 218.736

Inverse Universe

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



57, 82.756, 333.051



60, 99.542, 333.987



73, 58.741, 78.683



44, 7.371, 329.263



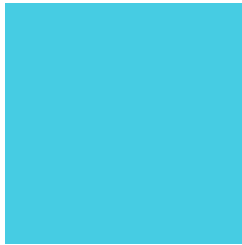
40, 78.056, 335.038



7, 32.542, 333.763

Previews

White Background



This preview shows how the CIE LCh color 76, 36.087, 217.447 looks on a white background.

Color Contrast Check

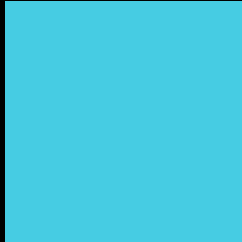
Large Text (above 18pt) WCAG AA × Fail

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, 36.087, 217.447 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, 36.087, 217.447

Background



This preview shows how black text looks on a background with the CIELCh color 76, 36.087, 217.447.



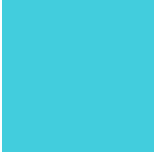
This preview shows how white text looks on a background with the CIELCh color 76, 36.087, 217.447.

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



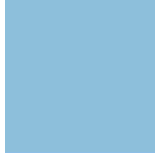


Tritanopia
76, 36.598, 210.749

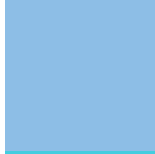
Trichromacy



Original Color
76, 36.087, 217.447



Protanomaly
75, 21.485, 243.625



Deuteranomaly
75, 25.800, 256.129

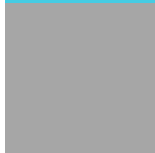


Tritanomaly
76, 36.477, 212.604

Monochromacy



Original Color
76, 36.087, 217.447



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 16.964, 213.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 36.087, 217.447 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(70, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(70, 204, 227)  
}
```

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(70, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 204, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 36.087, 217.447 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(70, 204, 227) }
```

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

```
.border{ border-color:rgb(70, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(70, 204,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 36.087, 217.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 204, 227) }
```

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

```
.background{ background-color: rgb(70, 204,  
227) }
```

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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