

Converting Colors

CIELCh(76, 38.423, 204.092)

Have a look what the booklet for
CIELCh(76, 38.423, 204.092)
contains.

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Color

CIELCh(76, 38.357, 204.107)

Conversions

Conversions Part 1

Format	Color
Hex	37CED7
RGB	55, 206, 215
RGB Percent	22%, 81%, 84%
CMY	0.7840, 0.1920, 0.1567
CMYK	0.74, 0.04, 0.00, 0.16
HSL	183°, 67%, 53%
HSV	183°, 74%, 84%
XYZ	35.9333, 49.8872, 72.0555
YIQ	161.8770, -92.8850, -29.2130

Conversions

Conversions Part 2

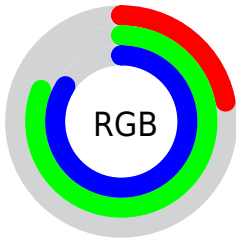
Format	Color
RYB	55, 133, 215
Decimal	3657431
CIELab	76.00, -35.01, -15.67
CIELCh	76, 38.357, 204.107
Yxy	49.8872, 0.2276, 0.3160
Android (android.graphics.Color)	4281847511 (0xFF37CED7)
YUV	161.8770, 26.1896, -93.7311
Hunter-Lab	70.6309, -32.7925, -11.0442

Details

The CIELCh color **76, 38.357, 204.107** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **50, 70.312, 34.216**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **57, 32.876, 205.698** is the 20% darker color. If you saturate the color by 10%, you get **75, 39.980, 204.668**, and if you desaturate by 10%, it is **77, 35.789, 203.726**.

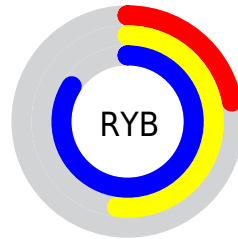
Distribution



Red (22%)

Green (81%)

Blue (84%)



Red (22%)

Yellow (52%)

Blue (84%)

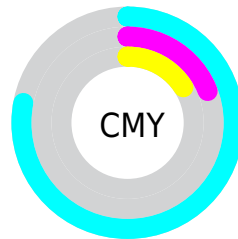


Cyan (74%)

Magenta (4%)

Yellow (0%)

Black (16%)



Cyan (78%)


Magenta (19%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.357, 204.107 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, 38.357, 204.107 by changing the saturation by 10% instead.


 76, 38.357,
204.107


 76, 38.357,
204.107


 100, 38.357,
204.107


 66, 38.357,
204.107


 96, 38.357,
204.107

 56, 38.357,
204.107

 46, 38.357,
204.107

 36, 38.357,
204.107

 26, 38.357,
204.107

 16, 38.357,
204.107

 6, 38.357, 204.107

■ 0, 38.357, 204.107

■ 76, 38.357,
204.107

■ 76, 38.357,
204.107

■ 75, 39.980,
204.668

■ 77, 35.789,
203.726

■ 75, 40.734,
205.424

■ 78, 32.272,
203.512

■ 75, 40.906,
205.911

■ 79, 27.855,
203.445

■ 80, 22.624,
203.505

■ 82, 16.688,
203.675

■ 83, 10.168,
203.946

■ 85, 3.181, 204.392

■ 87, 4.164, 24.441

■ 89, 11.770, 24.950

Harmonies

Complementary

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



76, 38.357, 204.107



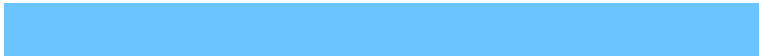
50, 70.312, 34.216

Rectangle

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



76, 38.357, 204.107



76, 38.357, 254.107



76, 38.357, 24.107



76, 38.357, 74.107

Sweetspot

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



76, 38.356, 204.106



96, 17.421, 203.725



76, 91.217, 138.653



50, 11.593, 203.662



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, 38.356, 204.106



88, 46.050, 205.058



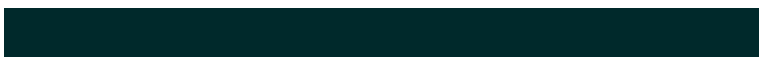
53, 52.135, 278.381



44, 4.055, 204.125



60, 34.494, 205.751



14, 13.692, 203.926

Inverse Universe

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



54, 88.113, 329.823



60, 108.516, 330.343



65, 58.992, 70.362



42, 7.553, 326.492



40, 81.932, 330.589



6, 31.634, 329.944

Previews

White Background



This preview shows how the CIELCh color 76, 38.357, 204.107 looks on a white background.

Color Contrast Check

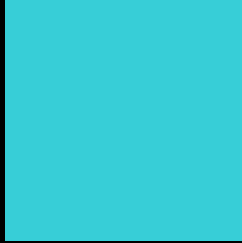
Large Text (above 18pt) WCAG AA × Fail

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, 38.357, 204.107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

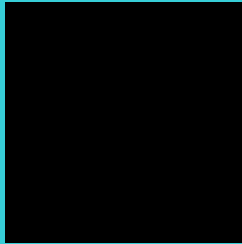
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 38.357, 204.107

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.357, 204.107.

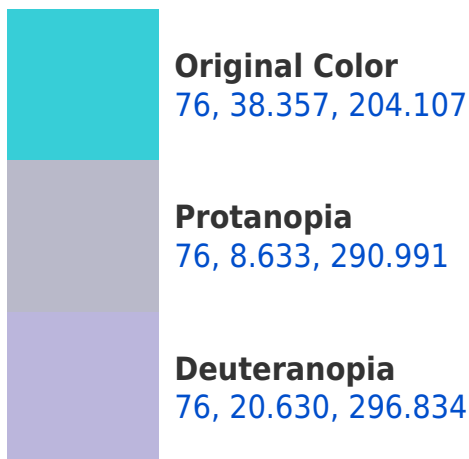


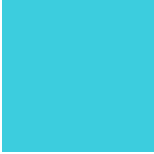
This preview shows how white text looks on a background with the CIELCh color 76, 38.357, 204.107.

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, 37.327, 211.307

Trichromacy



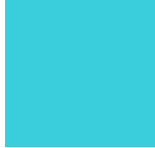
Original Color
76, 38.357, 204.107



Protanomaly
75, 19.091, 219.914



Deuteranomaly
75, 21.573, 241.358

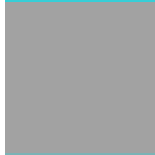


Tritanomaly
76, 37.602, 208.581

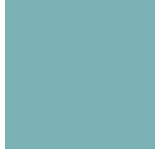
Monochromacy



Original Color
76, 38.357, 204.107



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.618, 203.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.357, 204.107 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(55, 206, 215)` looks like.

```
.text, #text, p{  
    color:rgb(55, 206, 215)  
}
```

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(55, 206, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 206, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.357, 204.107 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(55, 206, 215) }
```

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

```
.border{ border-color:rgb(55, 206, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 206, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 206, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 206, 215);  
box-shadow:4px 4px 4px 4px rgb(55, 206,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.357, 204.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 206, 215) }
```

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

```
.background{ background-color: rgb(55, 206,  
215) }
```

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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