

Converting Colors

CIELCh(76, 35.466, 196.855)

Have a look what the booklet for
CIELCh(76, 35.466, 196.855)
contains.

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Color

CIELCh(76, 35.487, 196.865)

Conversions

Conversions Part 1	
Format	Color
Hex	50CDCD
RGB	80, 205, 205
RGB Percent	31%, 80%, 80%
CMY	0.6853, 0.1953, 0.1953
CMYK	0.61, 0.00, 0.00, 0.20
HSL	180°, 56%, 56%
HSV	180°, 61%, 80%
XYZ	36.2476, 49.8872, 65.5969
YIQ	167.6250, -74.5000, -26.5000

Conversions

Conversions Part 2

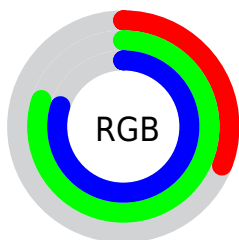
Format	Color
RYB	80, 143, 205
Decimal	5295565
CIELab	76.00, -33.96, -10.30
CIELCh	76, 35.487, 196.865
Yxy	49.8872, 0.2389, 0.3288
Android (android.graphics.Color)	4283485645 (0xFF50CDCD)
YUV	167.6250, 18.4259, -76.8471
Hunter-Lab	70.6309, -31.9983, -5.6226

Details

The CIELCh color **76, 35.487, 196.865** 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 **51, 55.974, 27.711**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **56, 33.582, 197.397** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.553, 196.653**, and if you desaturate by 10%, it is **77, 31.502, 197.140**.

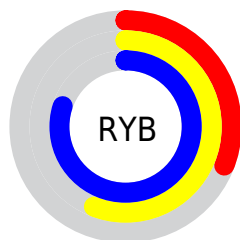
Distribution



Red (31%)

Green (80%)

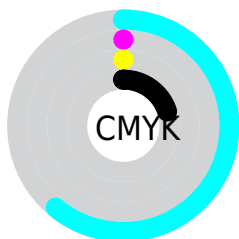
Blue (80%)



Red (31%)

Yellow (56%)

Blue (80%)

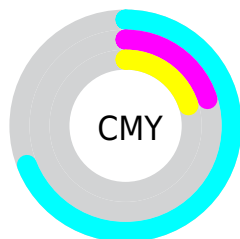


Cyan (61%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (69%)


Magenta (20%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 35.487, 196.865 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, 35.487, 196.865 by changing the saturation by 10% instead.


 76, 35.487,
196.865


 76, 35.487,
196.865


 100, 35.487,
196.865


 66, 35.487,
196.865


 96, 35.487,
196.865

 56, 35.487,
196.865

 46, 35.487,
196.865

 36, 35.487,
196.865

 26, 35.487,
196.865

 16, 35.487,
196.865

 6, 35.487, 196.865

■ 0, 35.487, 196.865

■ 76, 35.487,
196.865

■ 76, 35.487,
196.865

■ 76, 38.553,
196.653

■ 77, 31.502,
197.140

■ 75, 40.695,
196.507

■ 77, 26.654,
197.482

■ 75, 41.966,
196.421

■ 78, 21.033,
197.887

■ 75, 42.545,
196.382

■ 80, 14.748,
198.351

■ 81, 7.920, 198.884

■ 82, 0.666, 200.197

■ 84, 6.904, 19.843

 86, 14.696, 20.481

 87, 18.783, 20.804

Harmonies

Complementary

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



76, 35.487, 196.865



51, 55.974, 27.711

Rectangle

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



76, 35.487, 196.865



76, 35.487, 246.865



76, 35.487, 16.865



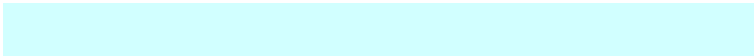
76, 35.487, 66.865

Sweetspot

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



76, 35.487, 196.863



97, 15.282, 198.486



74, 77.467, 138.859



51, 10.520, 198.338



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, 35.487, 196.863



92, 46.291, 196.602



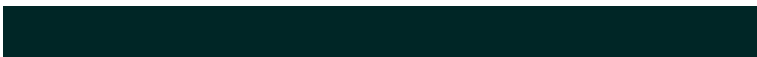
58, 37.378, 266.354



42, 4.119, 198.974



62, 36.302, 196.382



13, 13.514, 196.383

Inverse Universe

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



51, 55.974, 27.711



58, 81.401, 31.748



64, 45.529, 66.142



40, 4.369, 19.922



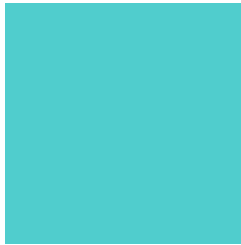
34, 75.552, 39.822



4, 17.910, 19.403

Previews

White Background



This preview shows how the CIELCh color 76, 35.487, 196.865 looks on a white background.

Color Contrast Check

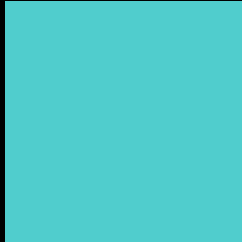
Large Text (above 18pt) WCAG AA × Fail

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, 35.487, 196.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

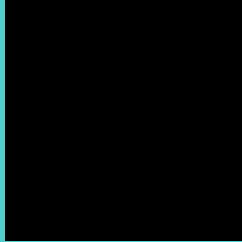
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

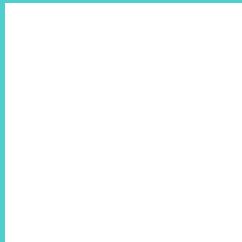
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 35.487, 196.865

Background



This preview shows how black text looks on a background with the CIELCh color 76, 35.487, 196.865.

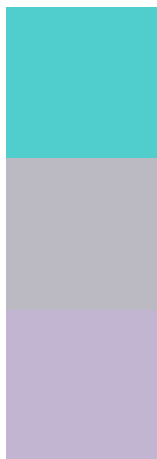


This preview shows how white text looks on a background with the CIELCh color 76, 35.487, 196.865.

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, 35.487, 196.865

Protanopia

76, 4.392, 300.160

Deuteranopia

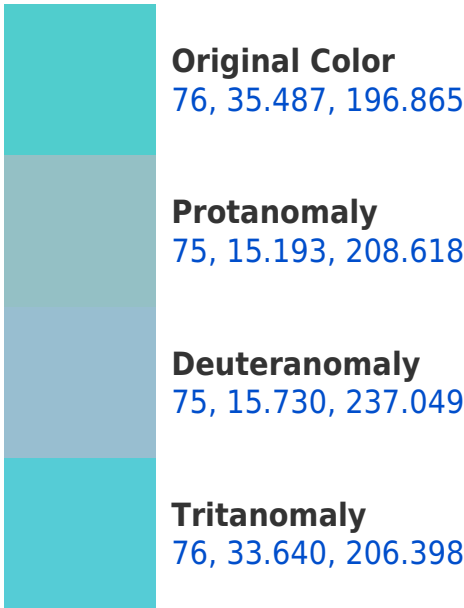
75, 16.296, 306.697



Tritanopia

76, 33.058, 212.492

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 35.487, 196.865 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(80, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(80, 205, 205)  
}
```

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(80, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 205, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 35.487, 196.865 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(80, 205, 205) }
```

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

```
.border{ border-color:rgb(80, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(80, 205,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 35.487, 196.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 205, 205) }
```

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

```
.background{ background-color: rgb(80, 205,  
205) }
```

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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