

Converting Colors

CIELCh(88, 40.833, 196.089)

Have a look what the booklet for
CIELCh(88, 40.833, 196.089)
contains.

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Color

CIELCh(88, 40.800, 196.082)

Conversions

Conversions Part 1

Format	Color
Hex	5DF2F1
RGB	93, 242, 241
RGB Percent	36%, 95%, 95%
CMY	0.6360, 0.0516, 0.0555
CMYK	0.62, 0.00, 0.00, 0.05
HSL	180°, 85%, 66%
HSV	180°, 62%, 95%
XYZ	52.0510, 72.0653, 94.2593
YIQ	197.3350, -88.4830, -31.8990

Conversions

Conversions Part 2

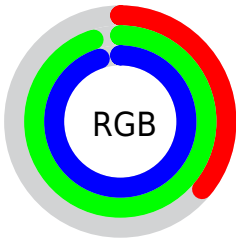
Format	Color
R_{YB}	93, 168, 242
Decimal	6157041
CIE _{Lab}	88.00, -39.20, -11.30
CIE _{LCh}	88, 40.800, 196.082
Yxy	72.0653, 0.2384, 0.3300
Android (android.graphics.Color)	4284347121 (0xFF5DF2F1)
YUV	197.3350, 21.5268, -91.5018
Hunter-Lab	84.8913, -39.1126, -6.4089

Details

The CIELCh color **88, 40.800, 196.082** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **59, 64.687, 27.623**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **68, 39.379, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **87, 44.190, 195.819**, and if you desaturate by 10%, it is **89, 36.347, 196.400**.

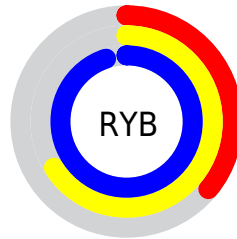
Distribution



Red (36%)

Green (95%)

Blue (95%)



Red (36%)

Yellow (66%)

Blue (95%)

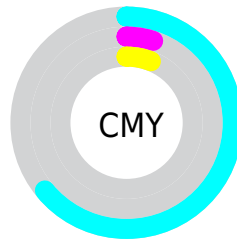


Cyan (62%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (64%)


Magenta (5%)

Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 40.800, 196.082 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 88, 40.800, 196.082 by changing the saturation by 10% instead.


 88, 40.800,
196.082


 88, 40.800,
196.082


 100, 40.800,
196.082


 78, 40.800,
196.082

 68, 40.800,
196.082

 58, 40.800,
196.082

 48, 40.800,
196.082

 38, 40.800,
196.082


 28, 40.800,
196.082


 18, 40.800,

196.082

 8, 40.800, 196.082

 0, 40.800, 196.082


 88, 40.800,
196.082


 88, 40.800,
196.082


 87, 44.190,
195.819

 89, 36.347,
196.400


 87, 46.517,
195.612

 90, 30.891,
196.778

 87, 47.852,
195.452

 91, 24.533,
197.213

 87, 48.382,
195.344

 92, 17.402,
197.704

 93, 9.637, 198.257

■ 95, 1.377, 199.214

■ 96, 4.688, 18.735

■ 96, 4.689, 17.724

■ 96, 4.692, 16.714

Harmonies

Complementary

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



88, 40.800, 196.082



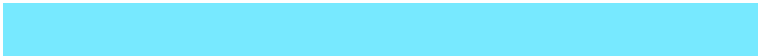
59, 64.687, 27.623

Rectangle

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



88, 40.800, 196.082



88, 40.800, 246.082



88, 40.800, 16.082



88, 40.800, 66.082

Sweetspot

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



88, 40.800, 196.080



97, 15.296, 197.893



85, 89.218, 138.714



51, 10.531, 197.738



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 40.800, 196.080



92, 46.730, 195.760



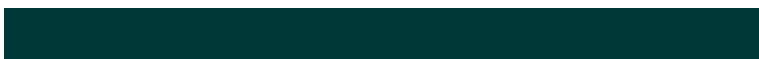
68, 43.156, 266.805



49, 4.704, 198.390



68, 39.347, 195.362



21, 17.165, 195.504

Inverse Universe

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



59, 64.687, 27.623



58, 82.242, 31.683



74, 52.778, 65.972



47, 4.992, 19.395



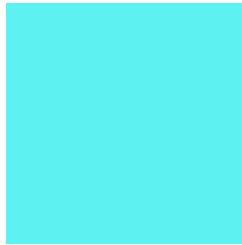
38, 81.392, 39.719



8, 29.799, 23.538

Previews

White Background



This preview shows how the CIE LCh color 88, 40.800, 196.082 looks on a white background.

Color Contrast Check

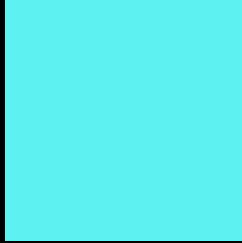
Large Text (above 18pt) WCAG AA × Fail

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 88, 40.800, 196.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

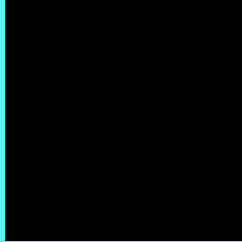
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 40.800, 196.082

Background



This preview shows how black text looks on a background with the CIELCh color 88, 40.800, 196.082.

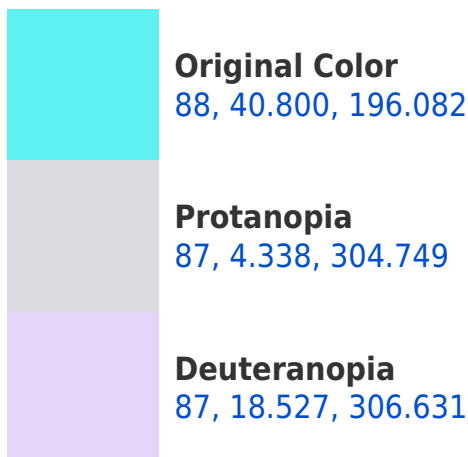


This preview shows how white text looks on a background with the CIELCh color 88, 40.800, 196.082.

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](#).

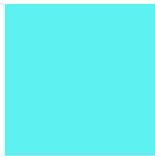
Dichromacy





Tritanopia
88, 34.207, 213.523

Trichromacy



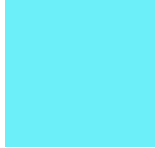
Original Color
88, 40.800, 196.082



Protanomaly
87, 17.640, 205.127



Deuteranomaly
86, 18.243, 238.089

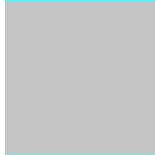


Tritanomaly
88, 36.480, 206.327

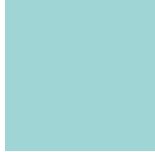
Monochromacy



Original Color
88, 40.800, 196.082



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 18.161, 198.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 40.800, 196.082 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(93, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(93, 242, 241)  
}
```

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(93, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 242, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 40.800, 196.082 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(93, 242, 241) }
```

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

```
.border{ border-color:rgb(93, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(93, 242,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 40.800, 196.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 242, 241) }
```

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

```
.background{ background-color: rgb(93, 242,  
241) }
```

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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