

Converting Colors

CIELCh(89, 42.655, 197.262)

Have a look what the booklet for
CIELCh(89, 42.655, 197.262)
contains.

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Color

CIELCh(89, 42.801, 196.740)

Conversions

Conversions Part 1

Format	Color
Hex	53F6F6
RGB	83, 246, 246
RGB Percent	33%, 96%, 96%
CMY	0.6726, 0.0368, 0.0368
CMYK	0.66, 0.00, 0.00, 0.04
HSL	180°, 90%, 65%
HSV	180°, 66%, 96%
XYZ	53.0214, 74.1641, 98.3980
YIQ	197.2630, -97.1480, -34.5560

Conversions

Conversions Part 2

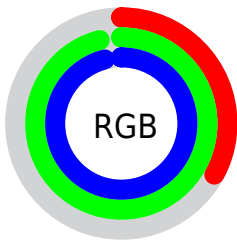
Format	Color
R _Y B	83, 165, 246
Decimal	5502710
CIE Lab	89.00, -40.99, -12.33
CIE LCh	89, 42.801, 196.740
Yxy	74.1641, 0.2350, 0.3288
Android (android.graphics.Color)	4283692790 (0xFF53F6F6)
YUV	197.2630, 24.0273, -100.2087
Hunter-Lab	86.1186, -40.8088, -7.4610

Details

The CIELCh color **89, 42.801, 196.740** 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 **58, 70.892, 29.394**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.401, 197.485**, and **70, 39.865, 197.202** is the 20% darker color. If you saturate the color by 10%, you get **89, 45.718, 196.565**, and if you desaturate by 10%, it is **90, 38.798, 196.979**.

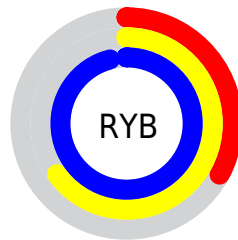
Distribution



Red (33%)

Green (96%)

Blue (96%)



Red (33%)

Yellow (65%)

Blue (96%)

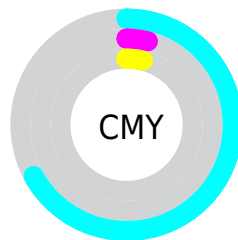


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (67%)

Magenta (4%)

Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 42.801, 196.740 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 89, 42.801, 196.740 by changing the saturation by 10% instead.


 89, 42.801,
196.740


 89, 42.801,
196.740

 100, 42.801,
196.740

 79, 42.801,
196.740

 69, 42.801,
196.740

 59, 42.801,
196.740

 49, 42.801,
196.740

 39, 42.801,
196.740

 29, 42.801,
196.740

 19, 42.801,

196.740

■ 9, 42.801, 196.740

■ 0, 42.801, 196.740

■ 89, 42.801,
196.740

■ 89, 42.801,
196.740

■ 89, 45.718,
196.565

■ 90, 38.798,
196.979

■ 88, 47.582,
196.455

■ 90, 33.743,
197.288

■ 88, 48.503,
196.401


■ 91, 27.720,
197.662

■ 88, 48.710,
196.389

■ 93, 20.848,
198.098

■ 94, 13.266,

198.597

 96, 5.114, 199.199

 97, 3.324, 19.432

 97, 3.324, 19.435

 97, 3.323, 19.439

Harmonies

Complementary

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



89, 42.801, 196.740



58, 70.892, 29.394

Rectangle

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



89, 42.801, 196.740



89, 42.801, 246.740



89, 42.801, 16.740



89, 42.801, 66.740

Sweetspot

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



89, 42.801, 196.739



97, 16.872, 198.388



86, 95.651, 138.477



51, 11.403, 198.248



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 42.801, 196.739



91, 47.753, 196.524



66, 47.750, 270.276



50, 4.783, 198.967



69, 39.560, 196.389



22, 17.589, 196.389

Inverse Universe

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



64, 94.201, 327.669



63, 108.051, 328.009



74, 57.748, 66.953



48, 8.758, 324.945



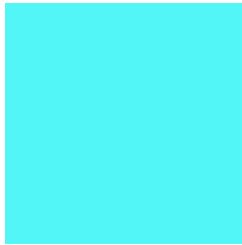
44, 91.227, 328.233



11, 40.560, 328.233

Previews

White Background



This preview shows how the CIE LCh color 89, 42.801, 196.740 looks on a white background.

Color Contrast Check

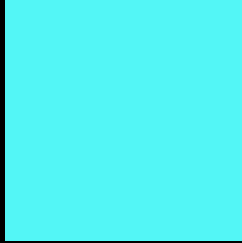
Large Text (above 18pt) WCAG AA × Fail

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 89, 42.801, 196.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

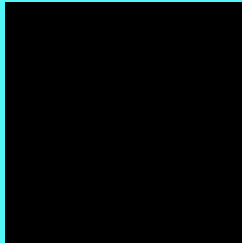
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 42.801, 196.740

Background



This preview shows how black text looks on a background with the CIELCh color 89, 42.801, 196.740.



This preview shows how white text looks on a background with the CIELCh color 89, 42.801, 196.740.

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
89, 31.910, 212.827

Trichromacy



Original Color
89, 42.941, 196.731



Protanomaly
87, 18.888, 209.471



Deuteranomaly
88, 19.876, 236.013

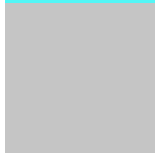


Tritanomaly
89, 35.959, 206.488

Monochromacy



Original Color
89, 42.941, 196.731



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.656, 198.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 42.801, 196.740 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(83, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(83, 246, 246)  
}
```

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(83, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 246, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 42.801, 196.740 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(83, 246, 246) }
```

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

```
.border{ border-color:rgb(83, 246, 246) }
```

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

Here you see how a box with a 4 pixel rgb(83, 246, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(83, 246,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 42.801, 196.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 246, 246) }
```

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

```
.background{ background-color: rgb(83, 246,  
246) }
```

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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