

Converting Colors

CIELCh(90, 45.641, 229.049)

Have a look what the booklet for
CIELCh(90, 45.641, 229.049)
contains.

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Color

CIELCh(89, 44.187, 203.583)

Conversions

Conversions Part 1

Format	Color
Hex	40F6FF
RGB	64, 246, 255
RGB Percent	25%, 96%, 100%
CMY	0.7476, 0.0361, 0.0000
CMYK	0.75, 0.04, 0.00, 0.00
HSL	183°, 100%, 63%
HSV	183°, 75%, 100%
XYZ	53.2113, 74.1641, 106.7940
YIQ	192.6080, -111.3610, -35.7850

Conversions

Conversions Part 2

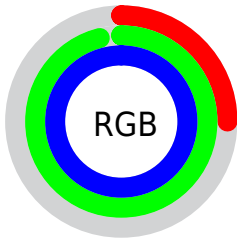
Format	Color
RYB	64, 157, 255
Decimal	4257535
CIELab	89.00, -40.50, -17.68
CIELCh	89, 44.187, 203.583
Yxy	74.1641, 0.2272, 0.3167
Android (android.graphics.Color)	4282447615 (0xFF40F6FF)
YUV	192.6080, 30.7593, -112.7892
Hunter-Lab	86.1186, -40.4154, -13.2414

Details

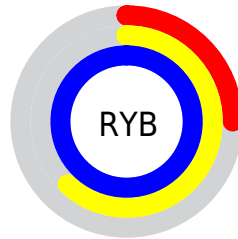
The CIELCh color **89, 44.187, 203.583** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 81.577, 34.191**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **70, 38.960, 203.915** is the 20% darker color. If you saturate the color by 10%, you get **88, 46.021, 203.489**, and if you desaturate by 10%, it is **90, 41.379, 202.701**.

Distribution



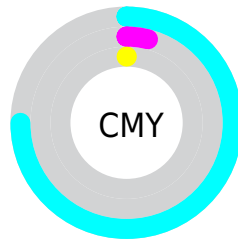
- Red (25%)
- Green (96%)
- Blue (100%)



- Red (25%)
- Yellow (62%)
- Blue (100%)



- Cyan (75%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 44.187, 203.583 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, 44.187, 203.583 by changing the saturation by 10% instead.

 89, 44.187,
203.583

 89, 44.187,
203.583

 100, 44.187,
203.583

 79, 44.187,
203.583

 69, 44.187,
203.583

 59, 44.187,
203.583

 49, 44.187,
203.583

 39, 44.187,
203.583

 29, 44.187,
203.583

 19, 44.187,

203.583

■ 9, 44.187, 203.583

■ 0, 44.187, 203.583

■ 89, 44.187,
203.583

■ 89, 44.187,
203.583

■ 88, 46.021,
203.489

■ 90, 41.379,
202.701

■ 88, 46.802,
204.142

■ 91, 37.405,
202.545

■ 88, 46.936,
204.538

■ 92, 32.375,
202.526

■ 94, 26.387,
202.629

■ 95, 19.567,

202.836

■ 97, 12.056,
203.141

■ 99, 3.994, 203.604

100, 0.012,
296.813

Harmonies

Complementary

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



89, 44.187, 203.583



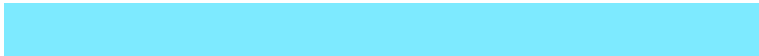
58, 81.577, 34.191

Rectangle

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



89, 44.187, 203.583



89, 44.187, 253.583



89, 44.187, 23.583



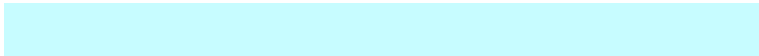
89, 44.187, 73.583

Sweetspot

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



89, 44.246, 203.012



96, 17.556, 202.911



88, 105.651, 138.174



50, 11.683, 202.838



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, 44.246, 203.012



88, 46.544, 203.810



63, 58.530, 277.201



52, 4.713, 203.347



67, 37.842, 204.389



23, 17.533, 203.365

Inverse Universe

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



63, 101.591, 329.574



60, 109.462, 330.043



75, 67.974, 68.654



50, 8.765, 326.273



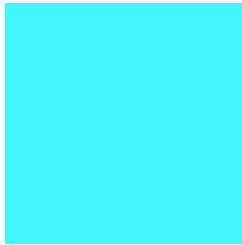
45, 89.621, 330.253



12, 41.419, 329.998

Previews

White Background



This preview shows how the CIE LCh color 89, 44.187, 203.583 looks on a white background.

Color Contrast Check

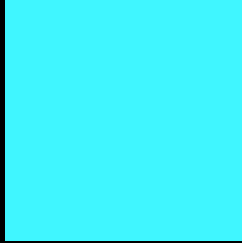
Large Text (above 18pt) WCAG AA × Fail

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, 44.187, 203.583 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, 44.187, 203.583

Background



This preview shows how black text looks on a background with the CIELCh color 89, 44.187, 203.583.



This preview shows how white text looks on a background with the CIELCh color 89, 44.187, 203.583.

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



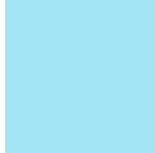


Tritanopia
89, 32.754, 212.377

Trichromacy



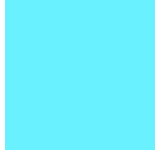
Original Color
89, 44.330, 202.860



Protanomaly
87, 22.172, 220.504



Deuteranomaly
87, 23.669, 236.941

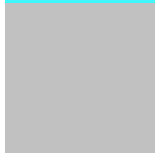


Tritanomaly
89, 37.537, 208.493

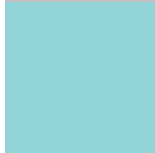
Monochromacy



Original Color
89, 44.330, 202.860



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 21.561, 203.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 44.187, 203.583 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(64, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 246, 255)  
}
```

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(64, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 44.187, 203.583 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(64, 246, 255) }
```

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

```
.border{ border-color:rgb(64, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 44.187, 203.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 246, 255) }
```

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

```
.background{ background-color: rgb(64, 246,  
255) }
```

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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