

Converting Colors

CIELCh(88, 44.772, 204.451)

Have a look what the booklet for
CIELCh(88, 44.772, 204.451)
contains.

CIELCh(88, 44.720, 204.853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 44.720, 204.853)

Conversions

Conversions Part 1

Format	Color
Hex	34F3FF
RGB	52, 243, 255
RGB Percent	20%, 95%, 100%
CMY	0.7958, 0.0470, 0.0000
CMYK	0.80, 0.05, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	51.5279, 72.0653, 105.8185
YIQ	187.2590, -117.6880, -36.7600

Conversions

Conversions Part 2

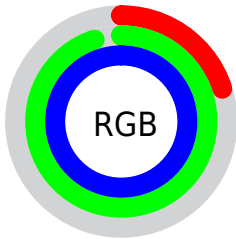
Format	Color
R _Y B	52, 150, 255
Decimal	3470335
CIE Lab	88.00, -40.58, -18.80
CIE LCh	88, 44.720, 204.853
Yxy	72.0653, 0.2246, 0.3141
Android (android.graphics.Color)	4281660415 (0xFF34F3FF)
YUV	187.2590, 33.3963, -118.6221
Hunter-Lab	84.8913, -40.2126, -14.4822

Details

The CIELCh color **88, 44.720, 204.853** 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 **57, 86.734, 36.003**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.582, 197.234**, and **69, 38.276, 206.656** is the 20% darker color. If you saturate the color by 10%, you get **87, 45.958, 205.565**, and if you desaturate by 10%, it is **89, 42.430, 204.311**.

Distribution



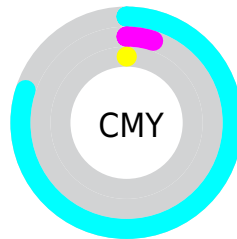
- Red (20%)
- Green (95%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 44.720, 204.853 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, 44.720, 204.853 by changing the saturation by 10% instead.

 88, 44.720,
204.853

 88, 44.720,
204.853


 100, 44.720,
204.853

 78, 44.720,
204.853

 68, 44.720,
204.853

 58, 44.720,
204.853

 48, 44.720,
204.853

 38, 44.720,
204.853

 28, 44.720,
204.853

 18, 44.720,

204.853

■ 8, 44.720, 204.853

■ 0, 44.720, 204.853

■ 88, 44.720,
204.853

■ 88, 44.720,
204.853

■ 87, 45.958,
205.565

■ 89, 42.430,
204.311

■ 87, 46.335,
206.487

■ 90, 39.036,
203.971

■ 87, 46.344,
206.527

■ 91, 34.560,
203.797

■ 93, 29.081,
203.767

■ 94, 22.714,

203.863

■ 96, 15.594,
204.067

■ 98, 7.862, 204.383

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.



88, 44.720, 204.853



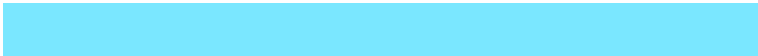
57, 86.734, 36.003

Rectangle

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



88, 44.720, 204.853



88, 44.720, 254.853



88, 44.720, 24.853



88, 44.720, 74.853

Sweetspot

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



88, 44.721, 204.837



95, 18.822, 203.964



88, 108.890, 137.958



50, 12.760, 203.896



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, 44.721, 204.837



87, 46.261, 206.141



60, 64.106, 280.764



52, 4.665, 204.386



67, 37.370, 206.338



22, 17.333, 205.050

Inverse Universe

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



62, 104.057, 330.143



60, 109.771, 330.666



75, 72.160, 69.288



50, 8.700, 326.583



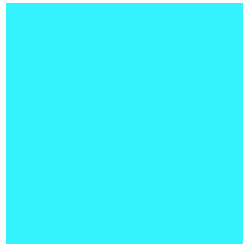
45, 88.863, 330.734



12, 41.110, 330.416

Previews

White Background



This preview shows how the CIE LCh color 88, 44.720, 204.853 looks on a white background.

Color Contrast Check

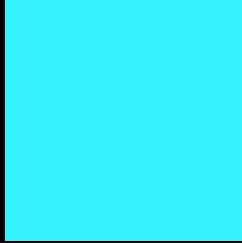
Large Text (above 18pt) WCAG AA × Fail

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, 44.720, 204.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

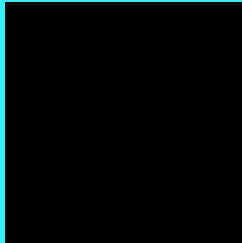
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 44.720, 204.853

Background



This preview shows how black text looks on a background with the CIELCh color 88, 44.720, 204.853.

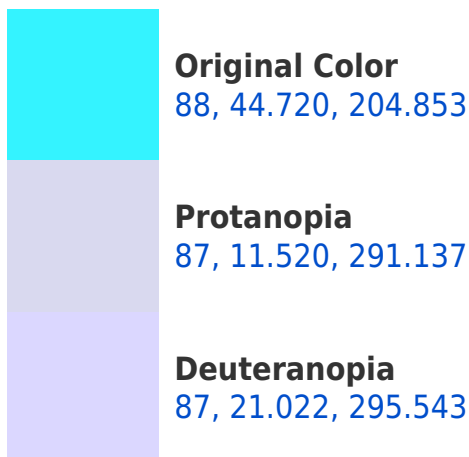


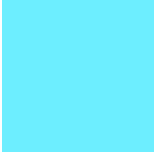
This preview shows how white text looks on a background with the CIELCh color 88, 44.720, 204.853.

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



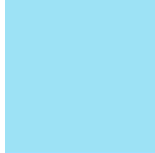


Tritanopia
88, 36.242, 211.598

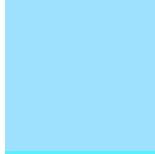
Trichromacy



Original Color
88, 44.720, 204.853



Protanomaly
86, 23.374, 223.569



Deuteranomaly
86, 25.272, 237.148

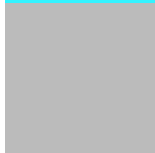


Tritanomaly
88, 40.015, 208.427

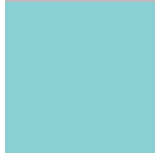
Monochromacy



Original Color
88, 44.720, 204.853



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 22.412, 204.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 44.720, 204.853 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(52, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 243, 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(52, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 44.720, 204.853 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(52, 243, 255) }
```

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

```
.border{ border-color:rgb(52, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(52, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 44.720, 204.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 243, 255) }
```

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

```
.background{ background-color: rgb(52, 243,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor