

Converting Colors

CIELCh(88, 45.837, 203.708)

Have a look what the booklet for
CIELCh(88, 45.837, 203.708)
contains.

CIELCh(88, 45.955, 203.216)	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, 45.955, 203.216)

Conversions

Conversions Part 1

Format	Color
Hex	26F4FE
RGB	38, 244, 254
RGB Percent	15%, 96%, 100%
CMY	0.8502, 0.0443, 0.0051
CMYK	0.85, 0.04, 0.00, 0.01
HSL	183°, 99%, 57%
HSV	183°, 85%, 99%
XYZ	50.9028, 72.0653, 104.7325
YIQ	183.5460, -125.9860, -40.5620

Conversions

Conversions Part 2

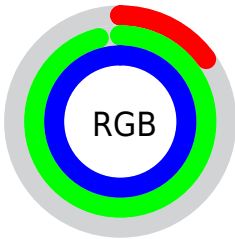
Format	Color
R _Y B	38, 143, 254
Decimal	2553086
CIE Lab	88.00, -42.23, -18.12
CIE LCh	88, 45.955, 203.216
Yxy	72.0653, 0.2236, 0.3165
Android (android.graphics.Color)	4280743166 (0xFF26F4FE)
YUV	183.5460, 34.7338, -127.6438
Hunter-Lab	84.8913, -41.5270, -13.7237

Details

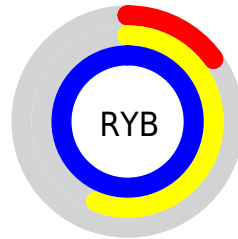
The CIELCh color **88, 45.955, 203.216** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 92.547, 37.144**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **69, 38.566, 204.859** is the 20% darker color. If you saturate the color by 10%, you get **88, 46.726, 203.840**, and if you desaturate by 10%, it is **89, 44.195, 202.759**.

Distribution



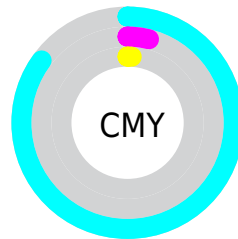
- Red (15%)
- Green (96%)
- Blue (100%)



- Red (15%)
- Yellow (56%)
- Blue (100%)



- Cyan (85%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)





- Cyan (85%)
- Magenta (4%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 45.955, 203.216 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, 45.955, 203.216 by changing the saturation by 10% instead.


 88, 45.955,
203.216


 88, 45.955,
203.216


 100, 45.955,
203.216


 78, 45.955,
203.216

 68, 45.955,
203.216

 58, 45.955,
203.216

 48, 45.955,
203.216

 38, 45.955,
203.216

 28, 45.955,
203.216

 18, 45.955,

203.216

■ 8, 45.955, 203.216

■ 0, 45.955, 203.216

■ 88, 45.955,
203.216

■ 88, 45.955,
203.216

■ 88, 46.726,
203.840

■ 89, 44.195,
202.759

■ 87, 46.858,
204.205


■ 89, 41.350,
202.467


■ 91, 37.401,
202.325

■ 92, 32.399,
202.319

■ 93, 26.439,

202.430

 95, 19.648,
202.646

 97, 12.165,
202.957

 99, 4.130, 203.421

100, 0.381, 69.097

Harmonies

Complementary

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



88, 45.955, 203.216



55, 92.547, 37.144

Rectangle

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



88, 45.955, 203.216



88, 45.955, 253.216



88, 45.955, 23.216



88, 45.955, 73.216

Sweetspot

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



88, 45.954, 203.215



95, 19.774, 202.644



88, 112.995, 137.125



50, 13.312, 202.558



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, 45.954, 203.215



88, 47.041, 204.208



58, 66.226, 281.462



52, 4.721, 203.174



68, 37.925, 204.065



23, 17.568, 203.084

Inverse Universe

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



61, 107.339, 329.830



60, 111.359, 330.208



72, 76.049, 66.704



50, 8.776, 326.222



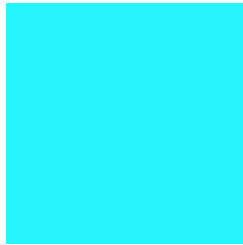
45, 89.750, 330.172



12, 41.471, 329.928

Previews

White Background



This preview shows how the CIELCh color 88, 45.955, 203.216 looks on a white background.

Color Contrast Check

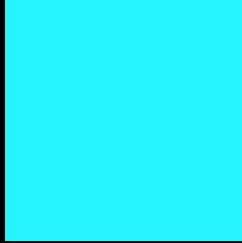
Large Text (above 18pt) WCAG AA × Fail

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, 45.955, 203.216 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, 45.955, 203.216

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.955, 203.216.

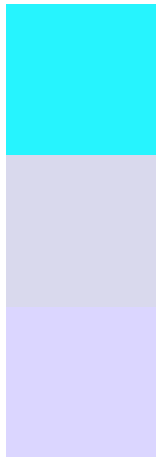


This preview shows how white text looks on a background with the CIELCh color 88, 45.955, 203.216.

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

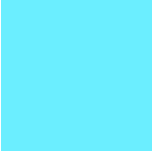
88, 46.015, 203.204

Protanopia

87, 10.474, 291.052

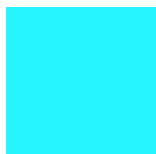
Deuteranopia

87, 21.590, 296.381

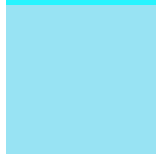


Tritanopia
88, 36.595, 211.437

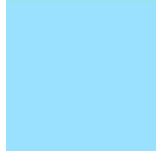
Trichromacy



Original Color
88, 46.015, 203.204



Protanomaly
86, 24.461, 218.218



Deuteranomaly
86, 26.306, 235.309

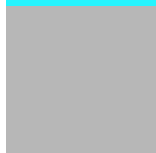


Tritanomaly
88, 40.845, 208.146

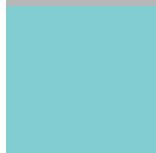
Monochromacy



Original Color
88, 46.015, 203.204



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 24.073, 202.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.955, 203.216 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(38, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(38, 244, 254)  
}
```

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(38, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 244, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.955, 203.216 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(38, 244, 254) }
```

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

```
.border{ border-color:rgb(38, 244, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(38, 244,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.955, 203.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 244, 254) }
```

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

```
.background{ background-color: rgb(38, 244,  
254) }
```

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