

Converting Colors

CIELCh(88, 45.107, 203.856)

Have a look what the booklet for
CIELCh(88, 45.107, 203.856)
contains.

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Color

CIElCh(88, 45.027, 204.091)

Conversions

Conversions Part 1

Format	Color
Hex	31F3FE
RGB	49, 243, 254
RGB Percent	19%, 95%, 100%
CMY	0.8060, 0.0462, 0.0031
CMYK	0.81, 0.04, 0.00, 0.00
HSL	183°, 99%, 60%
HSV	183°, 81%, 100%
XYZ	51.3285, 72.0653, 105.1533
YIQ	186.2480, -119.1550, -37.7070

Conversions

Conversions Part 2

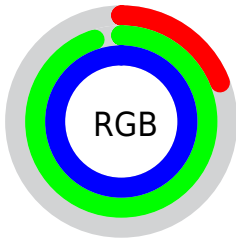
Format	Color
R_{YB}	49, 149, 254
Decimal	3273726
CIE _{Lab}	88.00, -41.11, -18.38
CIE _{LCh}	88, 45.027, 204.091
Yxy	72.0653, 0.2246, 0.3153
Android (android.graphics.Color)	4281463806 (0xFF31F3FE)
YUV	186.2480, 33.4017, -120.3665
Hunter-Lab	84.8913, -40.6319, -14.0176

Details

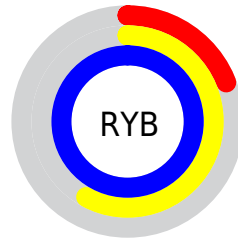
The CIELCh color **88, 45.027, 204.091** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 87.780, 36.090**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **69, 38.339, 205.778** is the 20% darker color. If you saturate the color by 10%, you get **87, 46.186, 204.753**, and if you desaturate by 10%, it is **89, 42.824, 203.614**.

Distribution



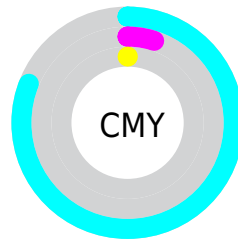
- Red (19%)
- Green (95%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 45.027, 204.091 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, 45.027, 204.091 by changing the saturation by 10% instead.

■ 88, 45.027,
204.091

■ 88, 45.027,
204.091

■ 100, 45.027,
204.091

■ 78, 45.027,
204.091

■ 68, 45.027,
204.091

■ 58, 45.027,
204.091

■ 48, 45.027,
204.091

■ 38, 45.027,
204.091

■ 28, 45.027,
204.091

■ 18, 45.027,

204.091

■ 8, 45.027, 204.091

■ 0, 45.027, 204.091

■ 88, 45.027,
204.091

■ 88, 45.027,
204.091

■ 87, 46.186,
204.753

■ 89, 42.824,
203.614

■ 87, 46.521,
205.541


■ 90, 39.519,
203.314

■ 91, 35.128,
203.171


■ 92, 29.724,
203.167

■ 94, 23.418,

203.283

 96, 16.345,
203.505

 98, 8.645, 203.831

 100, 0.453,
205.579

100, 0.385,
109.948

Harmonies

Complementary

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



88, 45.027, 204.091



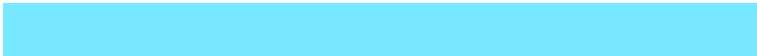
57, 87.780, 36.090

Rectangle

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



88, 45.027, 204.091



88, 45.027, 254.091



88, 45.027, 24.091



88, 45.027, 74.091

Sweetspot

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



88, 45.026, 204.090



95, 18.917, 203.417



88, 109.370, 137.852



50, 12.825, 203.339



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, 45.026, 204.090



87, 46.561, 205.284



59, 64.728, 281.155



52, 4.688, 203.873



67, 37.597, 205.373



22, 17.430, 204.216

Inverse Universe

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



62, 104.749, 329.974



60, 110.344, 330.459



74, 72.751, 69.104



50, 8.732, 326.430



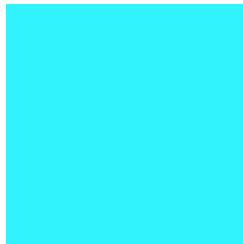
45, 89.235, 330.496



12, 41.262, 330.210

Previews

White Background



This preview shows how the CIE LCh color 88, 45.027, 204.091 looks on a white background.

Color Contrast Check

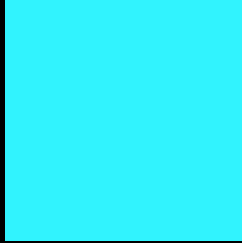
Large Text (above 18pt) WCAG AA × Fail

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, 45.027, 204.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

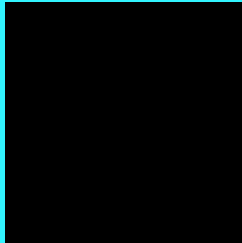
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 45.027, 204.091

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.027, 204.091.

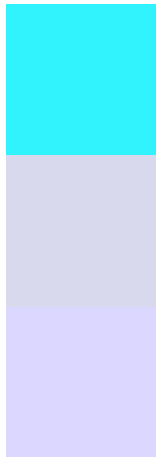


This preview shows how white text looks on a background with the CIELCh color 88, 45.027, 204.091.

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, 45.027, 204.091

Protanopia
87, 10.997, 291.094

Deuteranopia
87, 21.022, 295.543

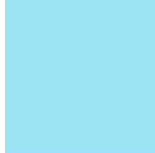


Tritanopia
88, 36.419, 211.517

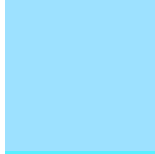
Trichromacy



Original Color
88, 45.027, 204.091



Protanomaly
86, 23.580, 220.457



Deuteranomaly
86, 25.479, 236.765

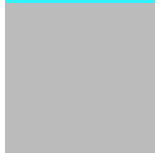


Tritanomaly
88, 40.158, 208.378

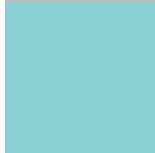
Monochromacy



Original Color
88, 45.027, 204.091



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 22.707, 203.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.027, 204.091 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(49, 243, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 243, 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(49, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 243, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.027, 204.091 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(49, 243, 254) }
```

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

```
.border{ border-color:rgb(49, 243, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 243, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 243,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.027, 204.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 243, 254) }
```

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

```
.background{ background-color: rgb(49, 243,  
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](#).

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