

Converting Colors

CIELCh(89, 42.185, 204.543)

Have a look what the booklet for
CIELCh(89, 42.185, 204.543)
contains.

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Color

CIELCh(89, 42.233, 204.013)

Conversions

Conversions Part 1

Format	Color
Hex	50F5FF
RGB	80, 245, 255
RGB Percent	31%, 96%, 100%
CMY	0.6867, 0.0396, 0.0003
CMYK	0.69, 0.04, 0.00, 0.00
HSL	183°, 100%, 66%
HSV	183°, 69%, 100%
XYZ	53.9580, 74.1641, 106.0031
YIQ	196.8050, -101.5500, -31.8700

Conversions

Conversions Part 2

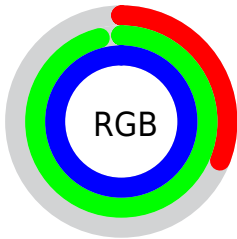
Format	Color
R_{YB}	80, 165, 255
Decimal	5305855
CIE _{Lab}	89.00, -38.58, -17.19
CIE _{LCh}	89, 42.233, 204.013
Yxy	74.1641, 0.2305, 0.3168
Android (android.graphics.Color)	4283495935 (0xFF50F5FF)
YUV	196.8050, 28.6901, -102.4380
Hunter-Lab	86.1186, -38.8676, -12.6969

Details

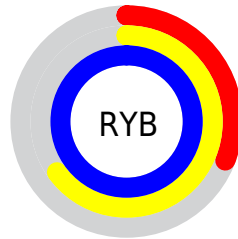
The CIELCh color **89, 42.233, 204.013** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 73.872, 32.903**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **70, 38.724, 204.816** is the 20% darker color. If you saturate the color by 10%, you get **88, 44.630, 204.496**, and if you desaturate by 10%, it is **90, 38.729, 203.707**.

Distribution



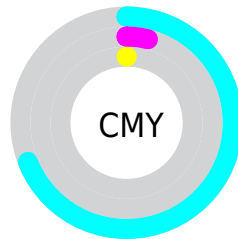
- Red (31%)
- Green (96%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 42.233, 204.013 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, 42.233, 204.013 by changing the saturation by 10% instead.


 89, 42.233,
204.013


 89, 42.233,
204.013


 100, 42.233,
204.013


 79, 42.233,
204.013

 69, 42.233,
204.013

 59, 42.233,
204.013

 49, 42.233,
204.013

 39, 42.233,
204.013

 29, 42.233,
204.013

 19, 42.233,

204.013

■ 9, 42.233, 204.013

■ 0, 42.233, 204.013

■ 89, 42.233,
204.013

■ 89, 42.233,
204.013

■ 88, 44.630,
204.496

■ 90, 38.729,
203.707

■ 87, 45.967,
205.176

■ 91, 34.149,
203.563

■ 87, 46.403,
206.050

■ 93, 28.573,
203.560

■ 87, 46.432,
206.174

■ 94, 22.121,
203.677

■ 96, 14.927,

203.900

■ 98, 7.134, 204.238

100, 0.033,
107.850

Harmonies

Complementary

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



89, 42.233, 204.013



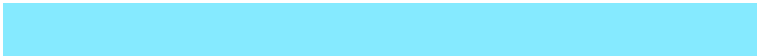
61, 73.872, 32.903

Rectangle

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



89, 42.233, 204.013



89, 42.233, 254.013



89, 42.233, 24.013



89, 42.233, 74.013

Sweetspot

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



89, 42.232, 204.012



96, 16.672, 203.839



89, 98.668, 139.274



51, 11.176, 203.773



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, 42.232, 204.012



88, 45.202, 204.701



65, 55.239, 276.469



52, 4.673, 204.203



67, 37.450, 205.992



22, 17.367, 204.751

Inverse Universe

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



65, 95.896, 329.655



61, 105.543, 330.154



78, 62.482, 71.192



50, 8.711, 326.528



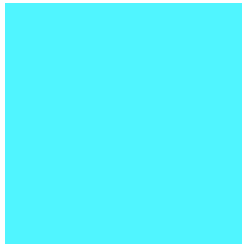
45, 88.995, 330.649



12, 41.164, 330.342

Previews

White Background



This preview shows how the CIE LCh color 89, 42.233, 204.013 looks on a white background.

Color Contrast Check

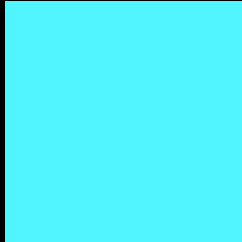
Large Text (above 18pt) WCAG AA × Fail

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, 42.233, 204.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

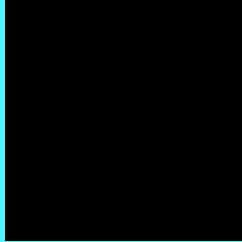
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 42.233, 204.013

Background



This preview shows how black text looks on a background with the CIELCh color 89, 42.233, 204.013.

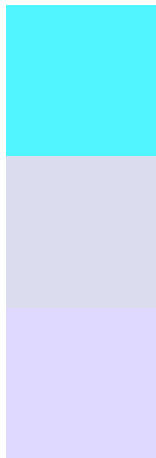


This preview shows how white text looks on a background with the CIELCh color 89, 42.233, 204.013.

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
89, 42.233, 204.013

Protanopia
88, 9.925, 290.999

Deuteranopia
88, 20.049, 298.538

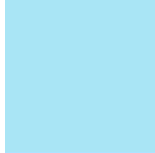


Tritanopia
89, 32.123, 212.712

Trichromacy



Original Color
89, 42.233, 204.013



Protanomaly
88, 20.616, 222.376



Deuteranomaly
87, 22.175, 240.148

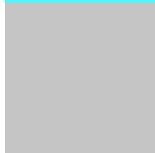


Tritanomaly
89, 36.289, 208.958

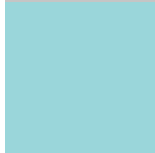
Monochromacy



Original Color
89, 42.233, 204.013



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.821, 204.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 42.233, 204.013 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(80, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 245, 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(80, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 245, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 42.233, 204.013 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(80, 245, 255) }
```

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

```
.border{ border-color:rgb(80, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 245,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 42.233, 204.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 245, 255) }
```

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

```
.background{ background-color: rgb(80, 245,  
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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