

Converting Colors

CIELCh(87, 46.891, 204.680)

Have a look what the booklet for
CIELCh(87, 46.891, 204.680)
contains.

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Color

CIELCh(87, 46.631, 205.074)

Conversions

Conversions Part 1	
Format	Color
Hex	00F1FE
RGB	0, 241, 254
RGB Percent	0%, 95%, 100%
CMY	1.0000, 0.0552, 0.0042
CMYK	1.00, 0.05, 0.00, 0.00
HSL	183°, 100%, 50%
HSV	183°, 100%, 100%
XYZ	49.2978, 70.0064, 104.6086
YIQ	170.4230, -147.8090, -47.0490

Conversions

Conversions Part 2

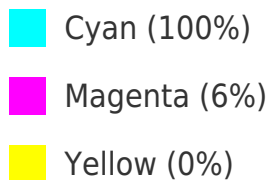
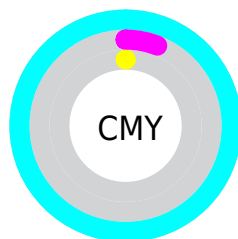
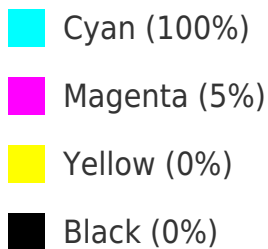
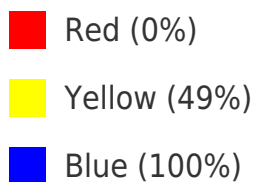
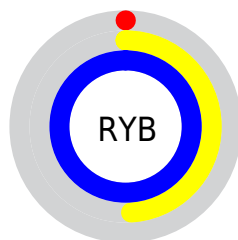
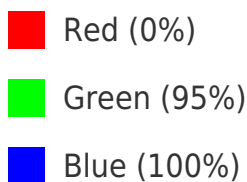
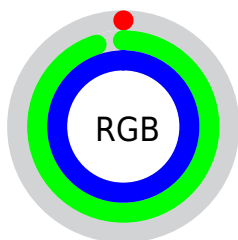
Format	Color
RYB	0, 124, 254
Decimal	61950
CIELab	87.00, -42.24, -19.76
CIELCh	87, 46.631, 205.074
Yxy	70.0064, 0.2202, 0.3127
Android (android.graphics.Color)	4278252030 (0xFF00F1FE)
YUV	170.4230, 41.2035, -149.4610
Hunter-Lab	83.6698, -41.2509, -15.5588

Details

The CIELCh color **87, 46.631, 205.074** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 103.616, 40.368**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **68, 37.909, 207.653** is the 20% darker color. If you saturate the color by 10%, you get **87, 46.618, 205.076**, and if you desaturate by 10%, it is **87, 46.237, 204.294**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 46.631, 205.074 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 87, 46.631, 205.074 by changing the saturation by 10% instead.


 87, 46.631,
205.074


 87, 46.631,
205.074


 100, 46.631,
205.074


 77, 46.631,
205.074

 67, 46.631,
205.074

 57, 46.631,
205.074

 47, 46.631,
205.074

 37, 46.631,
205.074

 27, 46.631,
205.074

 17, 46.631,


205.074


 7, 46.631, 205.074

 0, 46.631, 205.074

 87, 46.631,
205.074


 87, 46.631,
205.074


 87, 46.618,
205.076

 87, 46.237,
204.294


 88, 45.015,
203.680


 89, 42.745,
203.247


 90, 39.372,
202.982

 91, 34.916,

202.868

 92, 29.450,
202.889

 94, 23.089,
203.026

 96, 15.968,
203.265

 98, 8.226, 203.609

Harmonies

Complementary

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



87, 46.631, 205.074



53, 103.616, 40.368

Rectangle

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



87, 46.631, 205.074



87, 46.631, 255.074



87, 46.631, 25.074



87, 46.631, 75.074

Sweetspot

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



87, 46.618, 205.076



94, 23.168, 203.026



87, 118.592, 136.292



50, 15.529, 202.955



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 46.618, 205.076



87, 46.769, 205.078



51, 81.046, 289.474



52, 4.699, 203.630



67, 37.709, 204.918



22, 17.477, 203.823

Inverse Universe

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



59, 110.576, 330.423



60, 110.932, 330.423



69, 83.700, 64.090



50, 8.747, 326.358



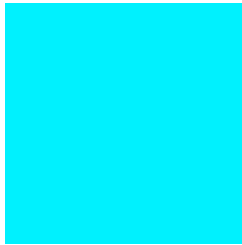
45, 89.412, 330.384



12, 41.334, 330.112

Previews

White Background



This preview shows how the CIELCh color 87, 46.631, 205.074 looks on a white background.

Color Contrast Check

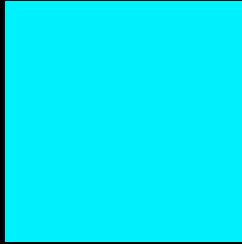
Large Text (above 18pt) WCAG AA × Fail

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 87, 46.631, 205.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

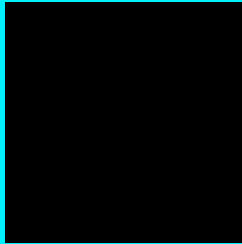
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 46.631, 205.074

Background



This preview shows how black text looks on a background with the CIELCh color 87, 46.631, 205.074.

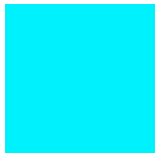


This preview shows how white text looks on a background with the CIELCh color 87, 46.631, 205.074.

Color Blindness Simulation

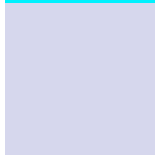
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87, 46.631, 205.074



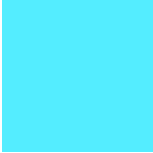
Protanopia

87, 11.539, 289.434



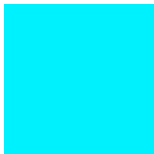
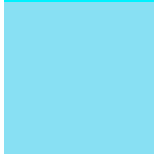
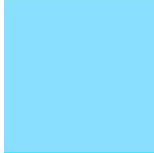
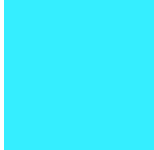
Deuteranopia

86, 22.624, 294.572



Tritanopia
87, 39.993, 210.816

Trichromacy

	Original Color 87, 46.631, 205.074
	Protanomaly 84, 27.865, 219.026
	Deuteranomaly 85, 29.585, 233.058
	Tritanomaly 87, 43.585, 208.729

Monochromacy

	Original Color 87, 46.631, 205.074
	Achromatopsia 70, 0.009, 296.813
	Achromatomaly 74, 27.312, 203.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 46.631, 205.074 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(0, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 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(0, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 46.631, 205.074 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(0, 241, 254) }
```

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

```
.border{ border-color:rgb(0, 241, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 46.631, 205.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 254) }
```

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

```
.background{ background-color: rgb(0, 241,  
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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