

Converting Colors

CIELCh(87, 51.281, 220.814)

Have a look what the booklet for
CIELCh(87, 51.281, 220.814)
contains.

CIELCh(87, 46.564, 205.761)	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(87, 46.564, 205.761)

Conversions

Conversions Part 1

Format	Color
Hex	00F1FF
RGB	0, 241, 255
RGB Percent	0%, 95%, 100%
CMY	1.0000, 0.0556, 0.0007
CMYK	1.00, 0.05, 0.00, 0.00
HSL	183°, 100%, 50%
HSV	183°, 100%, 100%
XYZ	49.4085, 70.0064, 105.3672
YIQ	170.5370, -148.1300, -46.7380

Conversions

Conversions Part 2

Format	Color
RYB	0, 124, 255
Decimal	61951
CIELab	87.00, -41.94, -20.24
CIELCh	87, 46.564, 205.761
Yxy	70.0064, 0.2198, 0.3114
Android (android.graphics.Color)	4278252031 (0xFF00F1FF)
YUV	170.5370, 41.6403, -149.5609
Hunter-Lab	83.6698, -41.0149, -16.0963

Details

The CIELCh color **87, 46.564, 205.761** 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 **54, 103.846, 40.399**, 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, 37.863, 208.546** is the 20% darker color. If you saturate the color by 10%, you get **87, 46.538, 205.766**, and if you desaturate by 10%, it is **88, 46.170, 204.916**.

Distribution



- Red (0%)
- Green (95%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 46.564, 205.761 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, 46.564, 205.761 by changing the saturation by 10% instead.


 87, 46.564,
205.761


 87, 46.564,
205.761


 100, 46.564,
205.761


 77, 46.564,
205.761

 67, 46.564,
205.761

 57, 46.564,
205.761

 47, 46.564,
205.761

 37, 46.564,
205.761

 27, 46.564,
205.761

 17, 46.564,

205.761

■ 7, 46.564, 205.761

■ 0, 46.564, 205.761

■ 87, 46.564,
205.761

■ 87, 46.564,
205.761

■ 87, 46.538,
205.766

■ 88, 46.170,
204.916

■ 88, 44.960,
204.243

■ 89, 42.700,
203.762

■ 90, 39.336,
203.458

■ 91, 34.886,

203.312

■ 93, 29.427,
203.306

■ 94, 23.072,
203.421

■ 96, 15.956,
203.642

■ 98, 8.221, 203.970

Harmonies

Complementary

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



87, 46.564, 205.761



54, 103.846, 40.399

Rectangle

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



87, 46.564, 205.761



87, 46.564, 255.761



87, 46.564, 25.761



87, 46.564, 75.761

Sweetspot

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



87, 46.538, 205.766



94, 23.084, 203.421



88, 118.917, 136.291



49, 15.473, 203.359



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, 46.538, 205.766



87, 46.562, 205.767



51, 81.282, 289.483



52, 4.683, 203.990



67, 37.545, 205.593



22, 17.407, 204.406

Inverse Universe

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



59, 110.543, 330.593



60, 110.600, 330.593



69, 83.929, 64.083



50, 8.724, 326.465



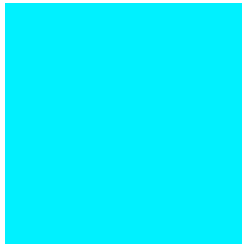
45, 89.149, 330.551



12, 41.227, 330.257

Previews

White Background



This preview shows how the CIE LCh color 87, 46.564, 205.761 looks on a white background.

Color Contrast Check

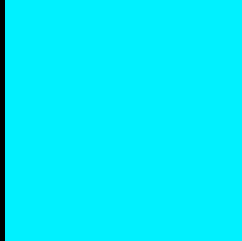
Large Text (above 18pt) WCAG AA × Fail

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, 46.564, 205.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

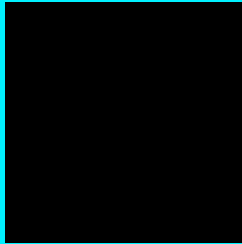
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 46.564, 205.761

Background



This preview shows how black text looks on a background with the CIELCh color 87, 46.564, 205.761.

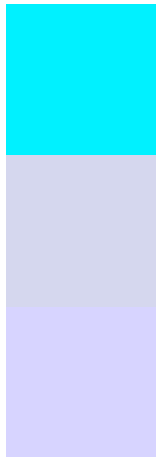


This preview shows how white text looks on a background with the CIELCh color 87, 46.564, 205.761.

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

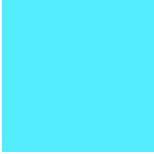
87, 46.564, 205.761

Protanopia

86, 12.072, 287.925

Deuteranopia

86, 22.624, 294.572

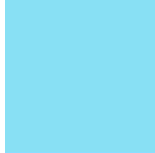


Tritanopia
87, 39.993, 210.816

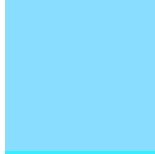
Trichromacy



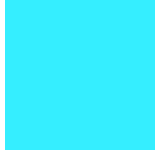
Original Color
87, 46.564, 205.761



Protanomaly
85, 27.974, 220.124

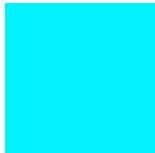


Deuteranomaly
84, 29.621, 234.327

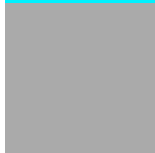


Tritanomaly
87, 43.585, 208.729

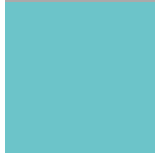
Monochromacy



Original Color
87, 46.564, 205.761



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, 46.564, 205.761 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 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(0, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 46.564, 205.761 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, 255) }
```

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

```
.border{ border-color:rgb(0, 241, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 46.564, 205.761 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, 255) }
```

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

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