

Converting Colors

CIELCh(87, 75.687, 154.184)

Have a look what the booklet for
CIELCh(87, 75.687, 154.184)
contains.

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Color

CIELCh(87, 75.761, 154.158)

Conversions

Conversions Part 1

Format	Color
Hex	2DF898
RGB	45, 248, 152
RGB Percent	18%, 97%, 60%
CMY	0.8230, 0.0272, 0.4037
CMYK	0.82, 0.00, 0.39, 0.03
HSL	152°, 94%, 57%
HSV	152°, 82%, 97%
XYZ	40.3489, 70.0064, 41.1186
YIQ	176.3590, -90.1720, -72.8920

Conversions

Conversions Part 2

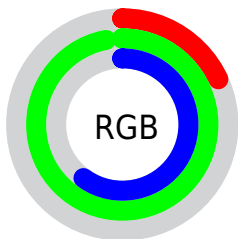
Format	Color
R_{YB}	45, 178, 248
Decimal	3012760
CIE _{Lab}	87.00, -68.18, 33.02
CIE _{LCh}	87, 75.761, 154.158
Yxy	70.0064, 0.2664, 0.4622
Android (android.graphics.Color)	4281202840 (0xFF2DF898)
YUV	176.3590, -12.0090, -115.2018
Hunter-Lab	83.6698, -60.3424, 29.4314

Details

The CIELCh color **87, 75.761, 154.158** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **56, 78.497, 358.169**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 48.347, 165.536**, and **68, 69.497, 150.457** is the 20% darker color. If you saturate the color by 10%, you get **87, 81.480, 151.966**, and if you desaturate by 10%, it is **88, 69.052, 156.141**.

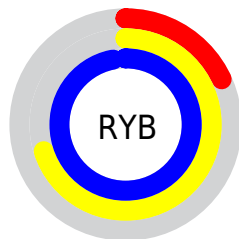
Distribution



Red (18%)

Green (97%)

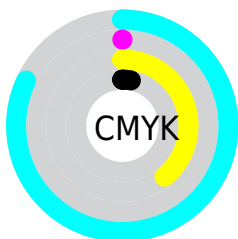
Blue (60%)



Red (18%)

Yellow (70%)

Blue (97%)

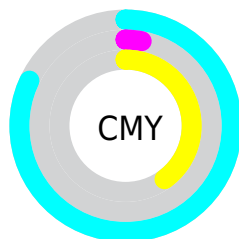


Cyan (82%)

Magenta (0%)

Yellow (39%)

Black (3%)



Cyan (82%)

Magenta (3%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 75.761, 154.158 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, 75.761, 154.158 by changing the saturation by 10% instead.

■ 87, 75.761,
154.158

■ 87, 75.761,
154.158

■ 100, 75.761,
154.158

■ 77, 75.761,
154.158

■ 67, 75.761,
154.158

■ 57, 75.761,
154.158

■ 47, 75.761,
154.158

■ 37, 75.761,
154.158

■ 27, 75.761,
154.158

■ 17, 75.761,

154.158

■ 7, 75.761, 154.158

■ 0, 75.761, 154.158

■ 87, 75.761,
154.158

■ 87, 75.761,
154.158

■ 87, 81.480,
151.966

■ 88, 69.052,
156.141

■ 86, 85.564,
150.079


■ 88, 61.350,
157.906


■ 89, 52.745,
159.466

■ 90, 43.383,
160.842


■ 92, 33.443,

162.061

 93, 23.108,
163.149

 95, 12.548,
164.137

 97, 1.910, 165.231

 98, 4.313, 324.520

Harmonies

Complementary

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



87, 75.761, 154.158



56, 78.497, 358.169

Rectangle

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



87, 75.761, 154.158



87, 75.761, 204.158



87, 75.761, 334.158



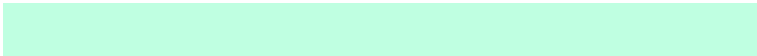
87, 75.761, 24.158

Sweetspot

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



87, 75.762, 154.158



95, 27.040, 162.810



89, 98.849, 127.178



50, 18.397, 162.428



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, 75.762, 154.158



89, 86.439, 150.496



88, 46.312, 198.753



51, 6.079, 164.356



67, 69.082, 150.500



22, 29.255, 153.902

Inverse Universe

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



56, 78.497, 358.169



55, 84.167, 4.675



54, 88.639, 35.324



49, 6.167, 345.900



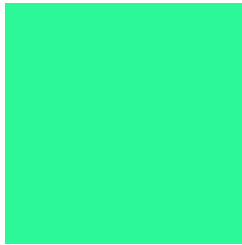
40, 67.368, 4.650



10, 30.837, 358.364

Previews

White Background



This preview shows how the CIELCh color 87, 75.761, 154.158 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, 75.761, 154.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

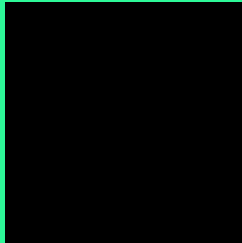
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 75.761, 154.158

Background



This preview shows how black text looks on a background with the CIELCh color 87, 75.761, 154.158.

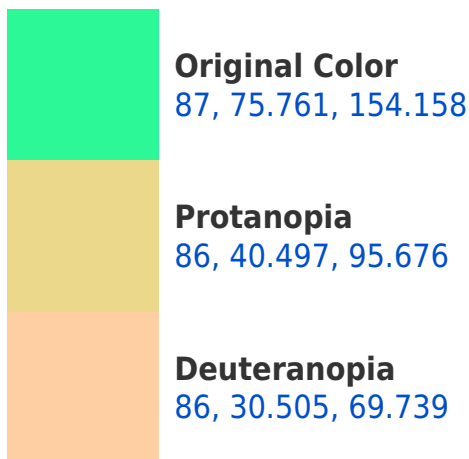


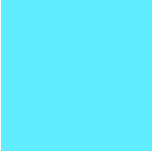
This preview shows how white text looks on a background with the CIELCh color 87, 75.761, 154.158.

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





Tritanopia
87, 37.746, 212.632

Trichromacy



Original Color
87, 75.761, 154.158



Protanomaly
85, 49.333, 135.036



Deuteranomaly
84, 37.309, 133.975

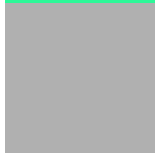


Tritanomaly
87, 46.450, 181.917

Monochromacy



Original Color
87, 75.761, 154.158



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 32.435, 161.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 75.761, 154.158 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(45, 248, 152)` looks like.

```
.text, #text, p{  
    color:rgb(45, 248, 152)  
}
```

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(45, 248, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 248, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 75.761, 154.158 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(45, 248, 152) }
```

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

```
.border{ border-color:rgb(45, 248, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 248, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 248, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 248, 152);  
box-shadow:4px 4px 4px 4px rgb(45, 248,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 75.761, 154.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 248, 152) }
```

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

```
.background{ background-color: rgb(45, 248,  
152) }
```

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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