

Converting Colors

CIELCh(89, 65.783, 151.779)

Have a look what the booklet for
CIELCh(89, 65.783, 151.779)
contains.

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Color

CIELCh(89, 65.636, 151.966)

Conversions

Conversions Part 1

Format	Color
Hex	6AFAA2
RGB	106, 250, 162
RGB Percent	42%, 98%, 64%
CMY	0.5836, 0.0189, 0.3641
CMYK	0.58, 0.00, 0.35, 0.02
HSL	143°, 94%, 70%
HSV	143°, 58%, 98%
XYZ	46.7379, 74.1641, 46.1060
YIQ	196.9120, -57.5760, -57.8960

Conversions

Conversions Part 2

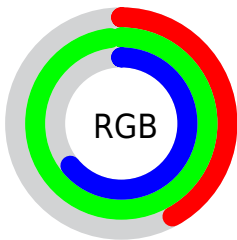
Format	Color
RYB	106, 210, 250
Decimal	7010978
CIELab	89.00, -57.93, 30.85
CIELCh	89, 65.636, 151.966
Yxy	74.1641, 0.2799, 0.4441
Android (android.graphics.Color)	4285201058 (0xFF6AFAA2)
YUV	196.9120, -17.2116, -79.7298
Hunter-Lab	86.1186, -53.8328, 28.5405

Details

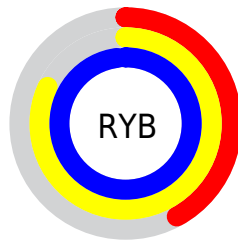
The CIELCh color **89, 65.636, 151.966** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65, 66.855, 343.637**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 35.791, 164.045**, and **69, 65.248, 152.172** is the 20% darker color. If you saturate the color by 10%, you get **88, 75.145, 150.330**, and if you desaturate by 10%, it is **90, 55.243, 153.401**.

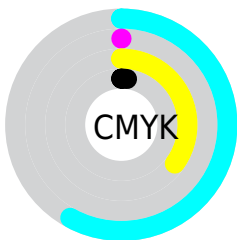
Distribution



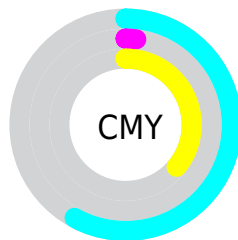
- Red (42%)
- Green (98%)
- Blue (64%)



- Red (42%)
- Yellow (82%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 65.636, 151.966 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, 65.636, 151.966 by changing the saturation by 10% instead.


 89, 65.636,
151.966


 89, 65.636,
151.966


 100, 65.636,
151.966


 79, 65.636,
151.966

 69, 65.636,
151.966

 59, 65.636,
151.966

 49, 65.636,
151.966

 39, 65.636,
151.966


 29, 65.636,
151.966

 19, 65.636,


151.966


 9, 65.636, 151.966


 0, 65.636, 151.966

 89, 65.636,
151.966


 89, 65.636,
151.966


 88, 75.145,
150.330


 90, 55.243,
153.401


 87, 83.600,
148.487

 91, 44.167,
154.655

 87, 90.910,
146.452

 93, 32.627,
155.751

 87, 97.084,
144.286

 95, 20.826,
156.715

 87, 98.474,

 97, 8.940, 157.586

143.774

 99, 2.567, 331.432

 99, 3.007, 324.444

Harmonies

Complementary

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



89, 65.636, 151.966



65, 66.855, 343.637

Rectangle

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



89, 65.636, 151.966



89, 65.636, 201.966



89, 65.636, 331.966



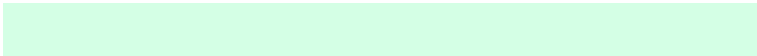
89, 65.636, 21.966

Sweetspot

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



89, 65.637, 151.966



96, 20.480, 156.764



92, 73.312, 122.098



51, 13.699, 156.581



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, 65.637, 151.966



90, 77.611, 150.064



91, 42.773, 184.855



51, 6.725, 157.421



67, 78.960, 144.177



22, 33.280, 147.452

Inverse Universe

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



65, 66.855, 343.637



62, 77.674, 345.350



63, 59.448, 18.569



49, 6.778, 338.789



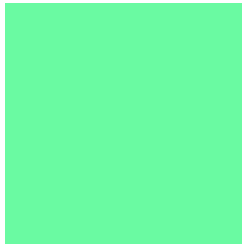
41, 70.029, 351.982



10, 32.504, 347.961

Previews

White Background



This preview shows how the CIE LCh color 89, 65.636, 151.966 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, 65.636, 151.966 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, 65.636, 151.966

Background



This preview shows how black text looks on a background with the CIELCh color 89, 65.636, 151.966.

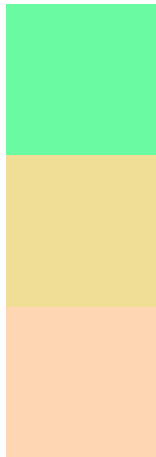


This preview shows how white text looks on a background with the CIELCh color 89, 65.636, 151.966.

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, 65.636, 151.966

Protanopia

88, 37.768, 95.951

Deuteranopia

88, 24.504, 67.495



Tritanopia
89, 29.157, 216.685

Trichromacy



Original Color
89, 65.636, 151.966



Protanomaly
88, 43.005, 128.396



Deuteranomaly
87, 29.661, 127.309



Tritanomaly
89, 37.032, 179.702

Monochromacy



Original Color
89, 65.636, 151.966



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 25.413, 155.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 65.636, 151.966 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(106, 250, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 250, 162)  
}
```

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(106, 250, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 250, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 65.636, 151.966 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(106, 250, 162) }
```

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

```
.border{ border-color:rgb(106, 250, 162) }
```

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

Here you see how a box with a 4 pixel rgb(106, 250, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 250, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 250, 162);  
box-shadow:4px 4px 4px 4px rgb(106, 250,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 65.636, 151.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 250, 162) }
```

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

```
.background{ background-color: rgb(106,  
250, 162) }
```

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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