

Converting Colors

CIELCh(90, 65.831, 163.224)

Have a look what the booklet for
CIELCh(90, 65.831, 163.224)
contains.

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Color

CIELCh(90, 65.481, 163.454)

Conversions

Conversions Part 1

Format	Color
Hex	35FFBD
RGB	53, 255, 189
RGB Percent	21%, 100%, 74%
CMY	0.7919, 0.0000, 0.2606
CMYK	0.79, 0.00, 0.26, 0.00
HSL	160°, 100%, 60%
HSV	160°, 79%, 100%
XYZ	46.5519, 76.3034, 60.1562
YIQ	187.0780, -99.2060, -63.3500

Conversions

Conversions Part 2

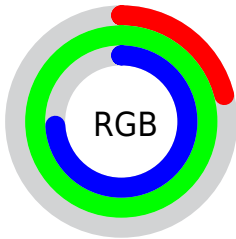
Format	Color
RYB	53, 174, 255
Decimal	3538877
CIELab	90.00, -62.77, 18.65
CIELCh	90, 65.481, 163.454
Yxy	76.3034, 0.2544, 0.4169
Android (android.graphics.Color)	4281728957 (0xFF35FFBD)
YUV	187.0780, 0.9475, -117.5864
Hunter-Lab	87.3518, -57.7387, 20.3153

Details

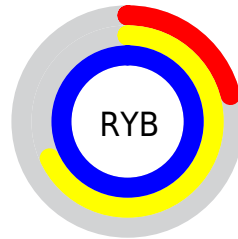
The CIELCh color **90, 65.481, 163.454** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **57, 77.584, 9.241**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.545, 189.108**, and **71, 58.976, 160.992** is the 20% darker color. If you saturate the color by 10%, you get **89, 69.802, 161.548**, and if you desaturate by 10%, it is **90, 59.606, 165.447**.

Distribution



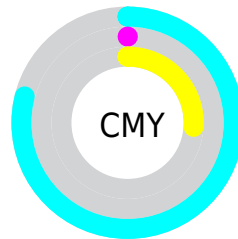
- Red (21%)
- Green (100%)
- Blue (74%)



- Red (21%)
- Yellow (68%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 65.481, 163.454 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 90, 65.481, 163.454 by changing the saturation by 10% instead.


 90, 65.481,
163.454


 90, 65.481,
163.454


 100, 65.481,
163.454


 80, 65.481,
163.454

 70, 65.481,
163.454

 60, 65.481,
163.454


 50, 65.481,
163.454

 40, 65.481,
163.454


 30, 65.481,
163.454


 20, 65.481,

163.454


 10, 65.481,
163.454


 0, 65.481, 163.454


 90, 65.481,
163.454


 90, 65.481,
163.454


 89, 69.802,
161.548


 90, 59.606,
165.447

 89, 73.556,
159.319

 91, 53.005,
167.092

 89, 73.846,
159.141

 92, 45.477,
168.559

 93, 37.155,
169.875

■ 95, 28.202,
171.066

■ 96, 18.786,
172.157

■ 98, 9.068, 173.184

100, 0.012,
296.813

Harmonies

Complementary

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



90, 65.481, 163.454



57, 77.584, 9.241

Rectangle

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



90, 65.481, 163.454



90, 65.481, 213.454



90, 65.481, 343.454



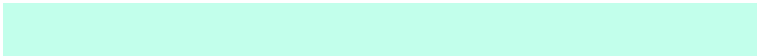
90, 65.481, 33.454

Sweetspot

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



90, 65.203, 163.602



96, 23.362, 171.643



90, 103.458, 131.463



50, 15.970, 171.250



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 65.203, 163.602



89, 72.056, 160.263



82, 41.479, 222.926



52, 5.609, 173.152



69, 59.060, 159.562



23, 25.854, 162.640

Inverse Universe

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



57, 77.584, 9.241



54, 85.191, 16.887



60, 81.965, 40.586



50, 5.751, 354.823



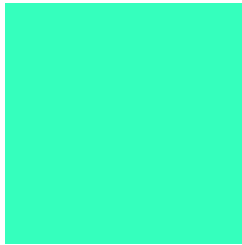
40, 69.773, 18.588



10, 31.359, 10.627

Previews

White Background



This preview shows how the CIE LCh color 90, 65.481, 163.454 looks on a white background.

Color Contrast Check

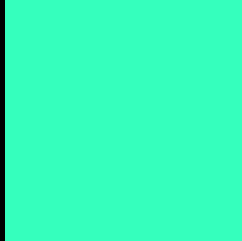
Large Text (above 18pt) WCAG AA × Fail

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 90, 65.481, 163.454 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

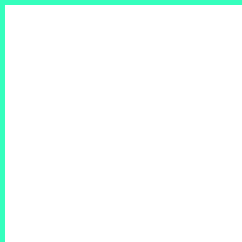
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 65.481, 163.454

Background



This preview shows how black text looks on a background with the CIELCh color 90, 65.481, 163.454.

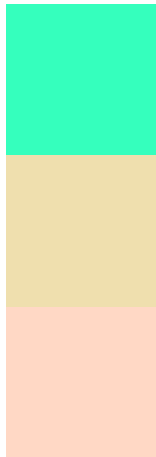


This preview shows how white text looks on a background with the CIELCh color 90, 65.481, 163.454.

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


90, 65.049, 163.768

Protanopia

89, 26.108, 94.170

Deuteranopia

89, 17.979, 53.263



Tritanopia
90, 29.653, 213.068

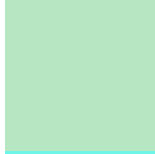
Trichromacy



Original Color
90, 65.049, 163.768



Protanomaly
88, 37.355, 146.085



Deuteranomaly
87, 25.679, 150.813

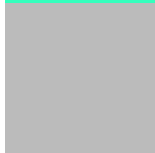


Tritanomaly
89, 40.441, 186.346

Monochromacy



Original Color
90, 65.049, 163.768



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 28.657, 170.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 65.481, 163.454 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(53, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 189)  
}
```

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(53, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 65.481, 163.454 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(53, 255, 189) }
```

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

```
.border{ border-color:rgb(53, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 65.481, 163.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 189) }
```

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

```
.background{ background-color: rgb(53, 255,  
189) }
```

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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