

Converting Colors

CIELCh(90, 66.809, 161.018)

Have a look what the booklet for
CIELCh(90, 66.809, 161.018)
contains.

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Color

CIELCh(90, 66.324, 161.289)

Conversions

Conversions Part 1

Format	Color
Hex	3FFF87
RGB	63, 255, 183
RGB Percent	25%, 100%, 72%
CMY	0.7540, 0.0000, 0.2806
CMYK	0.75, 0.00, 0.28, 0.00
HSL	158°, 100%, 62%
HSV	158°, 75%, 100%
XYZ	46.5344, 76.3034, 57.3118
YIQ	189.3840, -91.3200, -63.0960

Conversions

Conversions Part 2

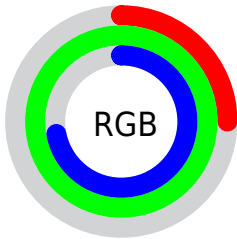
Format	Color
RYB	63, 181, 255
Decimal	4194231
CIELab	90.00, -62.82, 21.28
CIELCh	90, 66.324, 161.289
Yxy	76.3034, 0.2583, 0.4236
Android (android.graphics.Color)	4282384311 (0xFF3FFFB7)
YUV	189.3840, -3.1473, -110.8388
Hunter-Lab	87.3518, -57.7743, 22.2459

Details

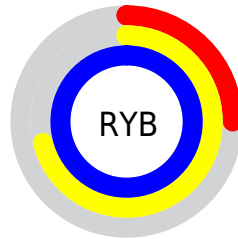
The CIELCh color **90, 66.324, 161.289** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **59, 75.286, 4.228**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.293, 184.197**, and **71, 61.255, 158.708** is the 20% darker color. If you saturate the color by 10%, you get **89, 71.533, 159.373**, and if you desaturate by 10%, it is **91, 59.651, 163.209**.

Distribution



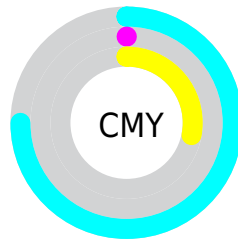
- Red (25%)
- Green (100%)
- Blue (72%)



- Red (25%)
- Yellow (71%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 66.324, 161.289 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, 66.324, 161.289 by changing the saturation by 10% instead.


 90, 66.324,
161.289


 90, 66.324,
161.289


 100, 66.324,
161.289


 80, 66.324,
161.289

 70, 66.324,
161.289

 60, 66.324,
161.289


 50, 66.324,
161.289

 40, 66.324,
161.289


 30, 66.324,
161.289


 20, 66.324,


161.289


 10, 66.324,
161.289


 0, 66.324, 161.289


 90, 66.324,
161.289


 90, 66.324,
161.289


 89, 71.533,
159.373


 91, 59.651,
163.209

 89, 76.026,
157.143

 91, 52.234,
164.819

 89, 77.883,
156.089

 92, 43.957,
166.251

 94, 34.971,
167.532

■ 95, 25.451,
168.688

■ 97, 15.568,
169.745

■ 99, 5.478, 170.766

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, 66.324, 161.289



59, 75.286, 4.228

Rectangle

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



90, 66.324, 161.289



90, 66.324, 211.289



90, 66.324, 341.289



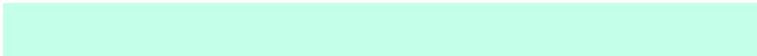
90, 66.324, 31.289

Sweetspot

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



90, 66.096, 161.398



96, 23.110, 168.949



90, 98.721, 130.062



50, 15.931, 168.553



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, 66.096, 161.398



89, 73.710, 158.370



85, 41.760, 213.554



52, 5.766, 170.340



69, 62.248, 156.520



23, 27.115, 159.684

Inverse Universe

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



59, 75.286, 4.228



55, 82.584, 10.305



60, 79.549, 37.422



50, 5.891, 351.988



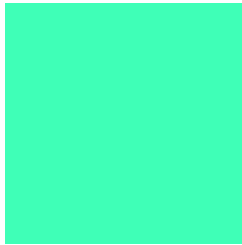
41, 68.758, 14.497



10, 31.284, 7.160

Previews

White Background



This preview shows how the CIE LCh color 90, 66.324, 161.289 looks on a white background.

Color Contrast Check

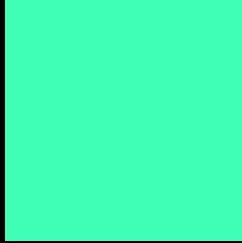
Large Text (above 18pt) WCAG AA × Fail

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, 66.324, 161.289 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, 66.324, 161.289

Background



This preview shows how black text looks on a background with the CIELCh color 90, 66.324, 161.289.

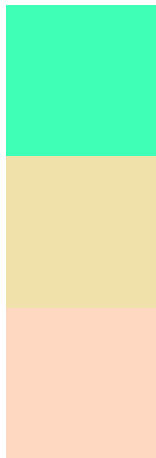


This preview shows how white text looks on a background with the CIELCh color 90, 66.324, 161.289.

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, 66.224, 161.238

Protanopia

89, 29.085, 95.279

Deuteranopia

89, 18.956, 56.958



Tritanopia
90, 29.191, 213.344

Trichromacy



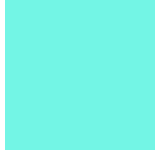
Original Color
90, 66.224, 161.238



Protanomaly
88, 38.421, 141.885



Deuteranomaly
87, 26.625, 146.309

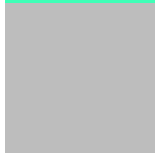


Tritanomaly
89, 39.847, 184.690

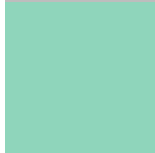
Monochromacy



Original Color
90, 66.224, 161.238



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 28.172, 167.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 66.324, 161.289 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(63, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 183)  
}
```

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(63, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 66.324, 161.289 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(63, 255, 183) }
```

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

```
.border{ border-color:rgb(63, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 66.324, 161.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 183) }
```

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

```
.background{ background-color: rgb(63, 255,  
183) }
```

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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