

Converting Colors

CIELCh(90, 65.439, 155.573)

Have a look what the booklet for
CIELCh(90, 65.439, 155.573)
contains.

| | |
|--|----|
| CIELCh(90, 65.533, 155.460) | 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(90, 65.533, 155.460)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 60FEAC |
| RGB | 96, 254, 172 |
| RGB Percent | 38%, 100%, 67% |
| CMY | 0.6238, 0.0041, 0.3257 |
| CMYK | 0.62, 0.00, 0.32, 0.00 |
| HSL | 149°, 99%, 69% |
| HSV | 149°, 62%, 100% |
| XYZ | 47.6791, 76.3034, 51.2158 |
| YIQ | 197.4100, -67.8460, -58.9980 |

Conversions

Conversions Part 2

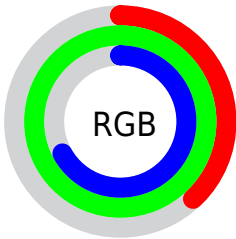
| Format | Color |
|-------------------------------------|--|
| RYB | 96, 203, 254 |
| Decimal | 6356652 |
| CIELab | 90.00, -59.61, 27.22 |
| CIELCh | 90, 65.533, 155.460 |
| Yxy | 76.3034, 0.2721, 0.4355 |
| Android (android.graphics.Color) | 4284546732 (0xFF60FEAC) |
| YUV | 197.4100, -12.5271, -88.9366 |
| Hunter-Lab | 87.3518, -55.4351, 26.3835 |

Details

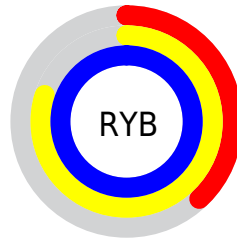
The CIELCh color **90, 65.533, 155.460** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 68.533, 349.973**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.279, 173.241**, and **70, 65.017, 155.127** is the 20% darker color. If you saturate the color by 10%, you get **89, 73.797, 153.686**, and if you desaturate by 10%, it is **91, 56.334, 157.024**.

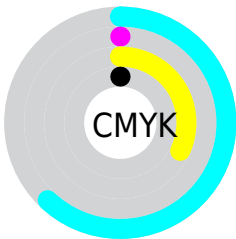
Distribution



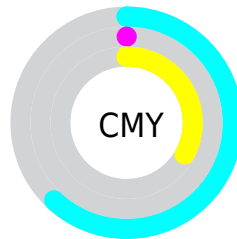
- Red (38%)
- Green (100%)
- Blue (67%)



- Red (38%)
- Yellow (80%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 65.533, 155.460 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, 65.533, 155.460 by changing the saturation by 10% instead.


 90, 65.533,
155.460


 90, 65.533,
155.460


 100, 65.533,
155.460


 80, 65.533,
155.460

 70, 65.533,
155.460

 60, 65.533,
155.460


 50, 65.533,
155.460

 40, 65.533,
155.460


 30, 65.533,
155.460


 20, 65.533,

155.460


 10, 65.533,
155.460


 0, 65.533, 155.460


 90, 65.533,
155.460


 90, 65.533,
155.460

 89, 73.797,
153.686


 91, 56.334,
157.024

 89, 81.025,
151.696

 92, 46.358,
158.398

 88, 87.209,
149.505

 94, 35.799,
159.609

 88, 91.416,
147.730

 95, 24.850,
160.683

■ 97, 13.692,
161.649

■ 99, 2.480, 162.659

100, 0.666,
324.000

Harmonies

Complementary

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



90, 65.533, 155.460



64, 68.533, 349.973

Rectangle

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



90, 65.533, 155.460



90, 65.533, 205.460



90, 65.533, 335.460



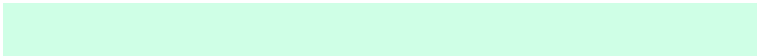
90, 65.533, 25.460

Sweetspot

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



90, 65.534, 155.460



96, 21.340, 161.004



92, 81.100, 125.175



51, 14.673, 160.719



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, 65.534, 155.460



89, 76.162, 153.152



92, 43.215, 193.096



52, 6.388, 161.899



68, 73.210, 148.154



23, 31.546, 151.376

Inverse Universe

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



64, 68.533, 349.973



59, 78.047, 352.732



62, 67.242, 26.007



50, 6.464, 343.390



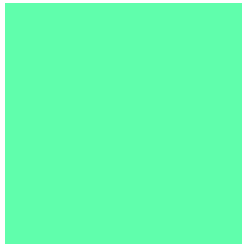
41, 68.487, 0.320



10, 32.060, 355.018

Previews

White Background



This preview shows how the CIE LCh color 90, 65.533, 155.460 looks on a white background.

Color Contrast Check

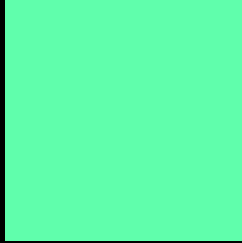
Large Text (above 18pt) WCAG AA × Fail

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, 65.533, 155.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

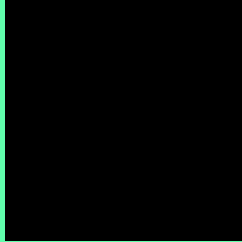
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 65.533, 155.460

Background



This preview shows how black text looks on a background with the CIELCh color 90, 65.533, 155.460.

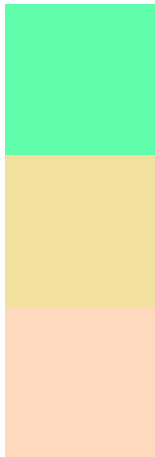


This preview shows how white text looks on a background with the CIELCh color 90, 65.533, 155.460.

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, 65.533, 155.460

Protanopia

89, 34.245, 95.249

Deuteranopia

89, 20.813, 63.960



Tritanopia
90, 27.128, 215.867

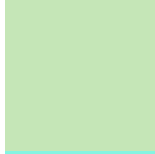
Trichromacy



Original Color
90, 65.533, 155.460



Protanomaly
88, 40.459, 132.653



Deuteranomaly
88, 27.342, 134.868



Tritanomaly
89, 36.569, 181.257

Monochromacy



Original Color
90, 65.533, 155.460



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 26.196, 160.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 65.533, 155.460 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(96, 254, 172)` looks like.

```
.text, #text, p{  
    color:rgb(96, 254, 172)  
}
```

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(96, 254, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 254, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 65.533, 155.460 is called "border". The border property can be set on classes, ids or directly on the HTML element.

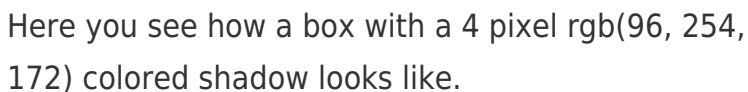
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 254, 172) }
```

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

```
.border{ border-color:rgb(96, 254, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 254, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 254, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 254, 172);  
box-shadow:4px 4px 4px 4px rgb(96, 254,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 65.533, 155.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 254, 172) }
```

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

```
.background{ background-color: rgb(96, 254,  
172) }
```

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