

Converting Colors

CIELCh(91, 55.056, 164.990)

Have a look what the booklet for
CIELCh(91, 55.056, 164.990)
contains.

CIELCh(91, 55.107, 164.926)	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(91, 55.107, 164.926)

Conversions

Conversions Part 1

Format	Color
Hex	66FFC8
RGB	102, 255, 200
RGB Percent	40%, 100%, 78%
CMY	0.6002, 0.0001, 0.2158
CMYK	0.60, 0.00, 0.22, 0.00
HSL	158°, 100%, 70%
HSV	158°, 60%, 100%
XYZ	51.6412, 78.4833, 67.0464
YIQ	202.9830, -73.5330, -49.5410

Conversions

Conversions Part 2

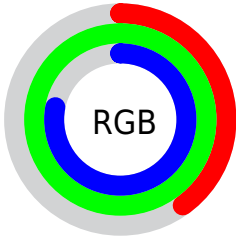
Format	Color
RYB	102, 195, 255
Decimal	6750152
CIELab	91.00, -53.21, 14.33
CIElCh	91, 55.107, 164.926
Yxy	78.4833, 0.2619, 0.3980
Android (android.graphics.Color)	4284940232 (0xFF66FFC8)
YUV	202.9830, -1.4706, -88.5621
Hunter-Lab	88.5908, -50.9830, 17.1423

Details

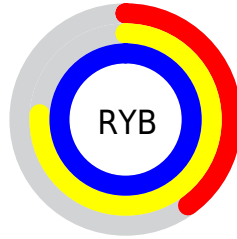
The CIELCh color **91, 55.107, 164.926** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 62.941, 0.688**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **71, 54.975, 165.030** is the 20% darker color. If you saturate the color by 10%, you get **90, 61.949, 163.235**, and if you desaturate by 10%, it is **92, 47.343, 166.429**.

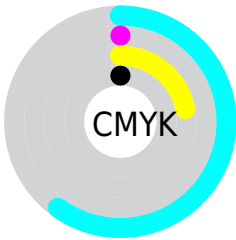
Distribution



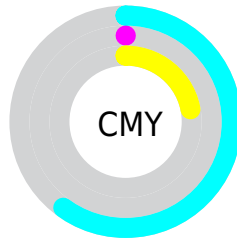
- Red (40%)
- Green (100%)
- Blue (78%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 55.107, 164.926 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 91, 55.107, 164.926 by changing the saturation by 10% instead.


 91, 55.107,
164.926


 91, 55.107,
164.926


 100, 55.107,
164.926


 81, 55.107,
164.926

 71, 55.107,
164.926

 61, 55.107,
164.926


 51, 55.107,
164.926

 41, 55.107,
164.926


 31, 55.107,
164.926


 21, 55.107,


164.926


 11, 55.107,
164.926


 1, 55.107, 164.926


 91, 55.107,
164.926

 91, 55.107,
164.926


 90, 61.949,
163.235


 92, 47.343,
166.429


 90, 67.790,
161.338

 93, 38.789,
167.772

 89, 72.639,
159.228

 95, 29.611,
168.981

 89, 76.672,
156.961

 96, 19.982,
170.081

■ 98, 10.066,
171.106

100, 0.011,
234.396

100, 0.034,
315.341

Harmonies

Complementary

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



91, 55.107, 164.926



64, 62.941, 0.688

Rectangle

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



91, 55.107, 164.926



91, 55.107, 214.926



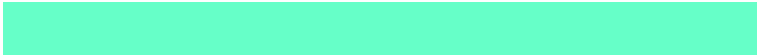
91, 55.107, 344.926



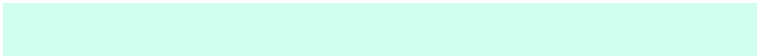
91, 55.107, 34.926

Sweetspot

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



91, 55.108, 164.925



97, 18.008, 170.291



92, 82.743, 130.764



51, 12.480, 169.986



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 55.108, 164.925



90, 63.199, 162.875



87, 36.869, 214.291



52, 5.718, 171.157



69, 61.298, 157.389



23, 26.738, 160.532

Inverse Universe

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



64, 62.941, 0.688



60, 72.853, 4.107



67, 60.203, 35.687



50, 5.848, 352.813



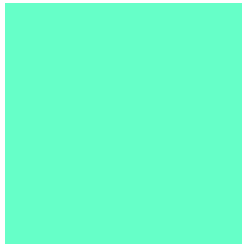
40, 69.016, 15.721



10, 31.295, 8.227

Previews

White Background



This preview shows how the CIE LCh color 91, 55.107, 164.926 looks on a white background.

Color Contrast Check

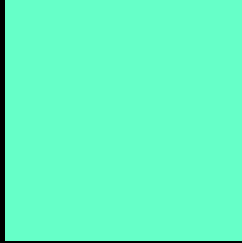
Large Text (above 18pt) WCAG AA × Fail

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 91, 55.107, 164.926 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 91, 55.107, 164.926

Background



This preview shows how black text looks on a background with the CIELCh color 91, 55.107, 164.926.

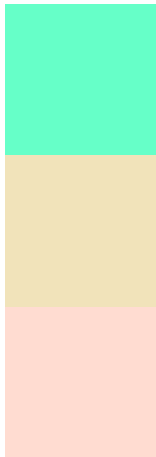


This preview shows how white text looks on a background with the CIELCh color 91, 55.107, 164.926.

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
91, 55.107, 164.926

Protanopia
90, 21.833, 94.139

Deuteranopia
90, 14.350, 43.444



Tritanopia
91, 24.728, 215.201

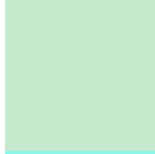
Trichromacy



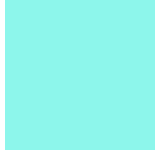
Original Color
91, 55.107, 164.926



Protanomaly
90, 29.436, 143.729



Deuteranomaly
89, 18.714, 149.756

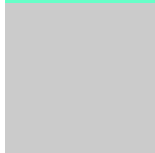


Tritanomaly
91, 33.321, 187.333

Monochromacy



Original Color
91, 55.107, 164.926



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 22.355, 169.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 55.107, 164.926 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(102, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 200)  
}
```

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(102, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 55.107, 164.926 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(102, 255, 200) }
```

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

```
.border{ border-color:rgb(102, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 55.107, 164.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 200) }
```

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

```
.background{ background-color: rgb(102,  
255, 200) }
```

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