

Converting Colors

CIELCh(94, 49.074, 174.872)

Have a look what the booklet for
CIELCh(94, 49.074, 174.872)
contains.

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Color

CIELCh(92, 45.550, 178.606)

Conversions

Conversions Part 1

Format	Color
Hex	6DFFE4
RGB	109, 255, 228
RGB Percent	43%, 100%, 89%
CMY	0.5706, 0.0000, 0.1042
CMYK	0.57, 0.00, 0.10, 0.00
HSL	169°, 100%, 71%
HSV	169°, 57%, 100%
XYZ	56.3270, 80.7044, 86.3139
YIQ	208.2680, -78.3490, -39.3490

Conversions

Conversions Part 2

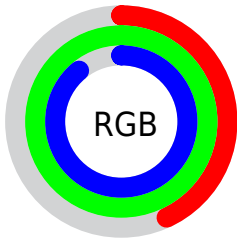
Format	Color
RYB	109, 189, 255
Decimal	7208932
CIELab	92.00, -45.54, 1.11
CIELCh	92, 45.550, 178.606
Yxy	80.7044, 0.2522, 0.3613
Android (android.graphics.Color)	4285399012 (0xFF6DFFE4)
YUV	208.2680, 9.7279, -87.0580
Hunter-Lab	89.8356, -45.2928, 5.9192

Details

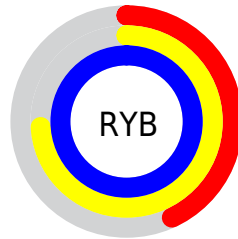
The CIELCh color **92, 45.550, 178.606** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 59.220, 13.423**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **72, 45.692, 178.561** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.698, 177.539**, and if you desaturate by 10%, it is **93, 39.021, 180.008**.

Distribution



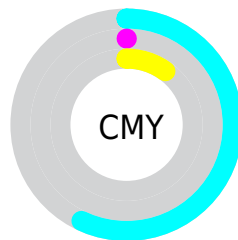
- Red (43%)
- Green (100%)
- Blue (89%)



- Red (43%)
- Yellow (74%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 45.550, 178.606 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 92, 45.550, 178.606 by changing the saturation by 10% instead.


 92, 45.550,
178.606


 92, 45.550,
178.606


 100, 45.550,
178.606


 82, 45.550,
178.606

 72, 45.550,
178.606

 62, 45.550,
178.606

 52, 45.550,
178.606

 42, 45.550,
178.606

 32, 45.550,
178.606

 22, 45.550,

178.606

■ 12, 45.550,
178.606

■ 2, 45.550, 178.606

■ 92, 45.550,
178.606

■ 92, 45.550,
178.606

■ 91, 50.698,
177.539

■ 93, 39.021,
180.008

■ 91, 54.983,
176.113

■ 94, 31.813,
181.097

■ 90, 58.219,
174.530

■ 95, 23.879,
182.118

■ 90, 60.516,
172.783

■ 97, 15.379,
183.089

■ 90, 61.096,
172.259

■ 99, 6.465, 184.056
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.



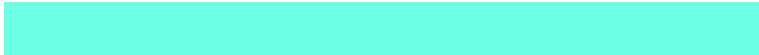
92, 45.550, 178.606



65, 59.220, 13.423

Rectangle

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



92, 45.550, 178.606



92, 45.550, 228.606



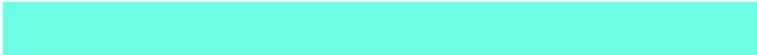
92, 45.550, 358.606



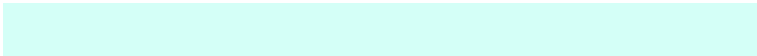
92, 45.550, 48.606

Sweetspot

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



92, 45.355, 178.829



97, 15.323, 183.095



91, 83.522, 135.778



51, 10.211, 182.903



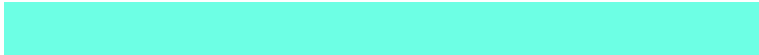
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 45.355, 178.829



91, 51.144, 177.412



80, 35.381, 242.486



52, 5.187, 183.813



69, 49.012, 172.593



23, 21.934, 174.977

Inverse Universe

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



65, 59.220, 13.423



60, 70.238, 16.832



74, 51.477, 50.442



50, 5.398, 5.406



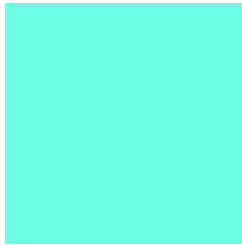
40, 75.811, 30.866



10, 32.087, 19.577

Previews

White Background



This preview shows how the CIE LCh color 92, 45.550, 178.606 looks on a white background.

Color Contrast Check

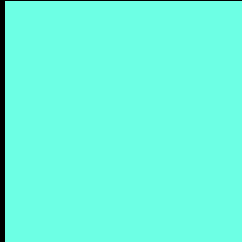
Large Text (above 18pt) WCAG AA × Fail

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 92, 45.550, 178.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

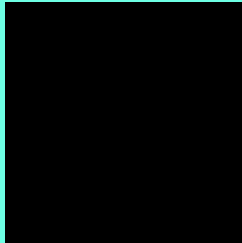
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 92, 45.550, 178.606

Background



This preview shows how black text looks on a background with the CIELCh color 92, 45.550, 178.606.

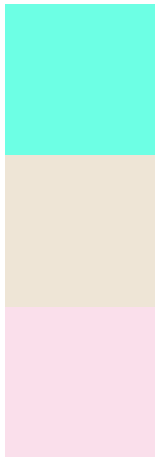


This preview shows how white text looks on a background with the CIELCh color 92, 45.550, 178.606.

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

92, 45.550, 178.606

Protanopia

91, 8.404, 86.333

Deuteranopia

91, 11.527, 347.679

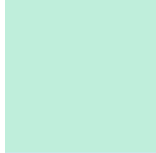


Tritanopia
92, 22.285, 215.847

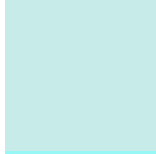
Trichromacy



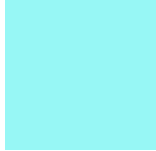
Original Color
92, 45.550, 178.606



Protanomaly
90, 19.256, 167.324

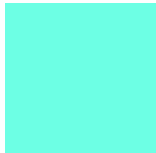


Deuteranomaly
91, 12.391, 193.795

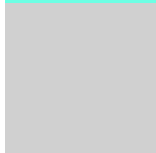


Tritanomaly
92, 29.848, 195.519

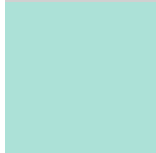
Monochromacy



Original Color
92, 45.550, 178.606



Achromatopsia
83, 0.010, 296.813



Achromatomaly
86, 18.998, 181.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 45.550, 178.606 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(109, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 228)  
}
```

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(109, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 45.550, 178.606 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(109, 255, 228) }
```

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

```
.border{ border-color:rgb(109, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 45.550, 178.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 228) }
```

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

```
.background{ background-color: rgb(109,  
255, 228) }
```

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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