

Converting Colors

CIELCh(100, 54.596, 170.501)

Have a look what the booklet for
CIELCh(100, 54.596, 170.501)
contains.

CIELCh(92, 42.163, 183.213)	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(92, 42.163, 183.213)

Conversions

Conversions Part 1

Format	Color
Hex	74FEEB
RGB	116, 254, 235
RGB Percent	45%, 100%, 92%
CMY	0.5448, 0.0033, 0.0778
CMYK	0.54, 0.00, 0.07, 0.00
HSL	172°, 99%, 73%
HSV	172°, 54%, 100%
XYZ	57.7224, 80.7044, 91.2616
YIQ	210.5720, -76.1490, -35.1650

Conversions

Conversions Part 2

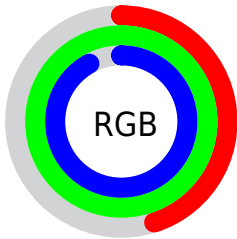
Format	Color
R_{YB}	116, 190, 254
Decimal	7667435
CIE _{Lab}	92.00, -42.10, -2.36
CIE _{LCh}	92, 42.163, 183.213
Y _{xy}	80.7044, 0.2513, 0.3514
Android (android.graphics.Color)	4285857515 (0xFF74FEEB)
YUV	210.5720, 12.0430, -82.9396
Hunter-Lab	89.8356, -42.5202, 2.6538

Details

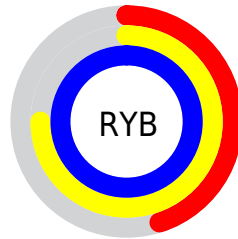
The CIELCh color **92, 42.163, 183.213** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 56.439, 16.146**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **72, 42.389, 182.758** is the 20% darker color. If you saturate the color by 10%, you get **91, 47.380, 182.127**, and if you desaturate by 10%, it is **93, 35.954, 184.221**.

Distribution



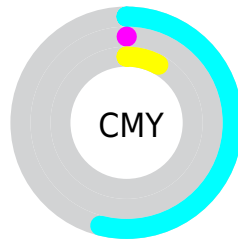
- Red (45%)
- Green (100%)
- Blue (92%)



- Red (45%)
- Yellow (75%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 42.163, 183.213 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, 42.163, 183.213 by changing the saturation by 10% instead.


 92, 42.163,
183.213


 92, 42.163,
183.213


 100, 42.163,
183.213


 82, 42.163,
183.213

 72, 42.163,
183.213

 62, 42.163,
183.213

 52, 42.163,
183.213

 42, 42.163,
183.213

 32, 42.163,
183.213

 22, 42.163,

183.213

■ 12, 42.163,
183.213

■ 2, 42.163, 183.213

■ 92, 42.163,
183.213

■ 92, 42.163,
183.213

■ 91, 47.380,
182.127

■ 93, 35.954,
184.221

■ 91, 51.529,
180.947

■ 94, 28.872,
185.174

■ 90, 54.603,
179.648

■ 96, 21.065,
186.087

■ 90, 56.684,
178.216

■ 97, 12.690,
186.978

■ 90, 57.551,
177.360

■ 99, 3.894, 187.934
100, 0.536,
323.883

Harmonies

Complementary

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



92, 42.163, 183.213



66, 56.439, 16.146

Rectangle

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



92, 42.163, 183.213



92, 42.163, 233.213



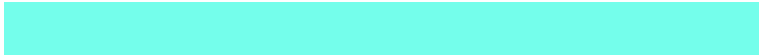
92, 42.163, 3.213



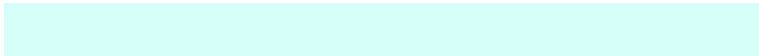
92, 42.163, 53.213

Sweetspot

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



92, 42.163, 183.211



97, 14.165, 186.828



91, 80.497, 136.749



51, 9.522, 186.646



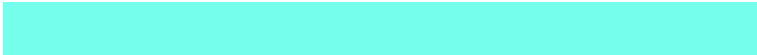
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 42.163, 183.211



91, 47.821, 182.049



79, 34.708, 246.763



52, 5.095, 187.412



70, 46.338, 177.637



23, 20.901, 179.620

Inverse Universe

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



66, 56.439, 16.146



61, 68.036, 19.279



75, 47.937, 53.716



50, 5.330, 8.913



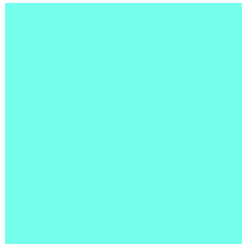
40, 78.119, 33.860



10, 32.356, 21.548

Previews

White Background



This preview shows how the CIE LCh color 92, 42.163, 183.213 looks on a white background.

Color Contrast Check

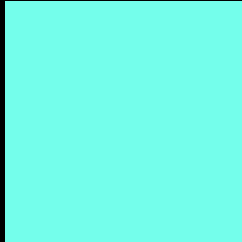
Large Text (above 18pt) WCAG AA × Fail

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, 42.163, 183.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

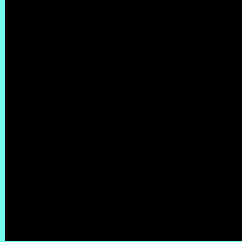
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 92, 42.163, 183.213

Background



This preview shows how black text looks on a background with the CIELCh color 92, 42.163, 183.213.

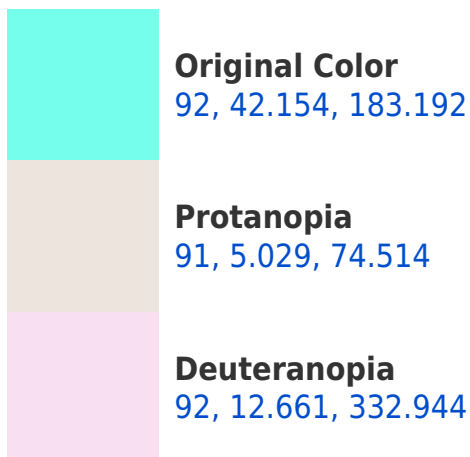


This preview shows how white text looks on a background with the CIELCh color 92, 42.163, 183.213.

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



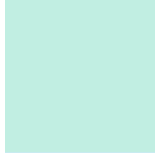


Tritanopia
92, 21.481, 216.576

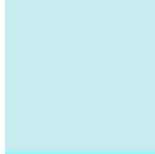
Trichromacy



Original Color
92, 42.154, 183.192



Protanomaly
91, 16.824, 176.544



Deuteranomaly
91, 12.046, 211.182

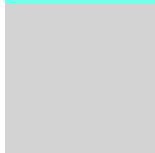


Tritanomaly
92, 28.249, 199.760

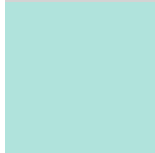
Monochromacy



Original Color
92, 42.154, 183.192



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.842, 186.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 42.163, 183.213 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(116, 254, 235)` looks like.

```
.text, #text, p{  
    color:rgb(116, 254, 235)  
}
```

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(116, 254, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 254, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 42.163, 183.213 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(116, 254, 235) }
```

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

```
.border{ border-color:rgb(116, 254, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 254, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 254, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 254, 235);  
box-shadow:4px 4px 4px 4px rgb(116, 254,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 42.163, 183.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 254, 235) }
```

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

```
.background{ background-color: rgb(116,  
254, 235) }
```

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