

Converting Colors

CIELCh(92, 47.259, 179.701)

Have a look what the booklet for
CIELCh(92, 47.259, 179.701)
contains.

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Color

CIELCh(92, 46.807, 180.340)

Conversions

Conversions Part 1

Format	Color
Hex	64FFE7
RGB	100, 255, 231
RGB Percent	39%, 100%, 91%
CMY	0.6068, 0.0000, 0.0939
CMYK	0.61, 0.00, 0.09, 0.00
HSL	171°, 100%, 70%
HSV	171°, 61%, 100%
XYZ	55.8177, 80.7044, 88.2672
YIQ	205.9190, -84.6760, -40.3240

Conversions

Conversions Part 2

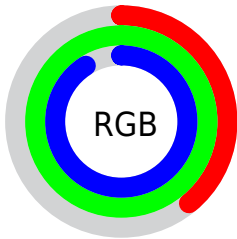
Format	Color
RYB	100, 184, 255
Decimal	6619111
CIELab	92.00, -46.81, -0.28
CIELCh	92, 46.807, 180.340
Yxy	80.7044, 0.2483, 0.3590
Android (android.graphics.Color)	4284809191 (0xFF64FFE7)
YUV	205.9190, 12.3649, -92.8910
Hunter-Lab	89.8356, -46.3048, 4.6301

Details

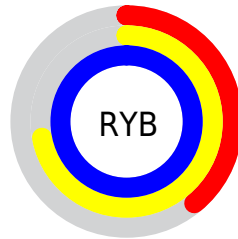
The CIELCh color **92, 46.807, 180.340** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **63, 63.256, 16.593**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **72, 45.692, 181.375** is the 20% darker color. If you saturate the color by 10%, you get **91, 51.052, 179.677**, and if you desaturate by 10%, it is **93, 40.598, 182.023**.

Distribution



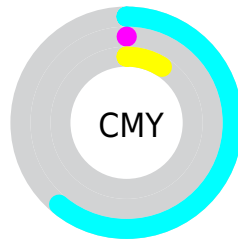
- Red (39%)
- Green (100%)
- Blue (91%)



- Red (39%)
- Yellow (72%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 46.807, 180.340 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, 46.807, 180.340 by changing the saturation by 10% instead.


 92, 46.807,
180.340


 92, 46.807,
180.340


 100, 46.807,
180.340


 82, 46.807,
180.340

 72, 46.807,
180.340

 62, 46.807,
180.340

 52, 46.807,
180.340

 42, 46.807,
180.340

 32, 46.807,
180.340

 22, 46.807,

180.340

■ 12, 46.807,
180.340

■ 2, 46.807, 180.340

■ 92, 46.807,
180.340

■ 92, 46.807,
180.340

■ 91, 51.052,
179.677

■ 93, 40.598,
182.023

■ 91, 54.683,
178.329

■ 94, 33.908,
183.065

■ 90, 57.281,
176.838

■ 95, 26.412,
184.047

■ 90, 58.962,
175.333

■ 96, 18.263,
184.985

■ 98, 9.617, 185.904

100, 0.619,
187.710

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, 46.807, 180.340



63, 63.256, 16.593

Rectangle

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



92, 46.807, 180.340



92, 46.807, 230.340



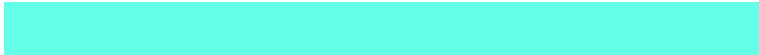
92, 46.807, 0.340



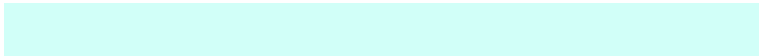
92, 46.807, 50.340

Sweetspot

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



92, 46.345, 180.901



97, 15.986, 185.231



90, 88.487, 135.907



51, 11.039, 184.964



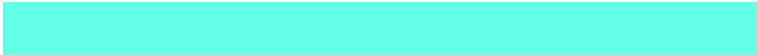
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 46.345, 180.901



91, 51.990, 179.377



78, 37.483, 246.120



52, 5.128, 186.015



69, 47.333, 175.636



23, 21.285, 177.786

Inverse Universe

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



63, 63.256, 16.593



58, 75.584, 20.865



73, 55.122, 51.850



50, 5.353, 7.555



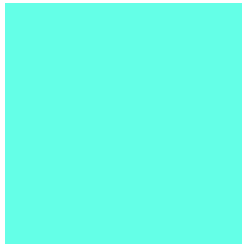
40, 77.230, 32.767



10, 32.251, 20.814

Previews

White Background



This preview shows how the CIE LCh color 92, 46.807, 180.340 looks on a white background.

Color Contrast Check

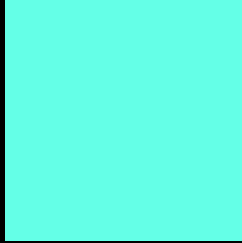
Large Text (above 18pt) WCAG AA × Fail

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, 46.807, 180.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

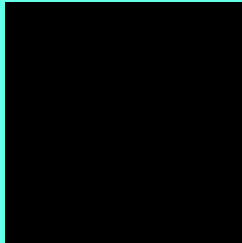
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

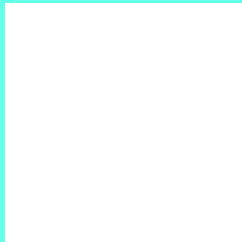
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 46.807, 180.340

Background



This preview shows how black text looks on a background with the CIELCh color 92, 46.807, 180.340.

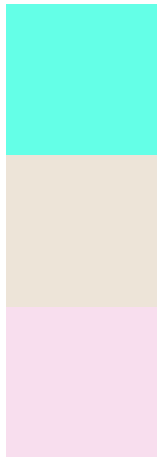


This preview shows how white text looks on a background with the CIELCh color 92, 46.807, 180.340.

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, 46.399, 180.888

Protanopia
91, 7.003, 81.563

Deuteranopia
91, 12.471, 338.677



Tritanopia
91, 23.081, 215.173

Trichromacy



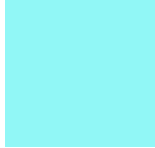
Original Color
92, 46.399, 180.888



Protanomaly
90, 19.846, 171.647



Deuteranomaly
90, 13.547, 200.756

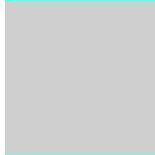


Tritanomaly
91, 31.249, 196.484

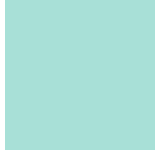
Monochromacy



Original Color
92, 46.399, 180.888



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 19.737, 184.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 46.807, 180.340 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(100, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 231)  
}
```

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(100, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 46.807, 180.340 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(100, 255, 231) }
```

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

```
.border{ border-color:rgb(100, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 46.807, 180.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 231) }
```

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

```
.background{ background-color: rgb(100,  
255, 231) }
```

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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