

Converting Colors

CIELCh(92, 45.780, 180.038)

Have a look what the booklet for
CIELCh(92, 45.780, 180.038)
contains.

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Color

CIELCh(92, 45.360, 180.590)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFE7
RGB	107, 255, 231
RGB Percent	42%, 100%, 91%
CMY	0.5823, 0.0000, 0.0924
CMYK	0.58, 0.00, 0.09, 0.00
HSL	170°, 100%, 71%
HSV	170°, 58%, 100%
XYZ	56.3990, 80.7044, 88.5363
YIQ	208.0120, -80.5040, -38.8400

Conversions

Conversions Part 2

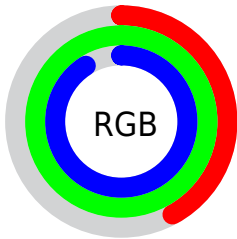
Format	Color
RYB	107, 188, 255
Decimal	7077863
CIELab	92.00, -45.36, -0.47
CIELCh	92, 45.360, 180.590
Yxy	80.7044, 0.2500, 0.3577
Android (android.graphics.Color)	4285267943 (0xFF6BFFE7)
YUV	208.0120, 11.3331, -88.5875
Hunter-Lab	89.8356, -45.1497, 4.4525

Details

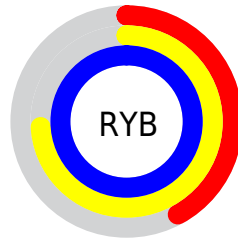
The CIELCh color **92, 45.360, 180.590** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 60.622, 15.588**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **72, 45.239, 180.573** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.163, 179.624**, and if you desaturate by 10%, it is **93, 39.140, 181.951**.

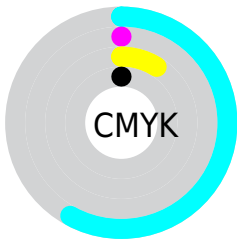
Distribution



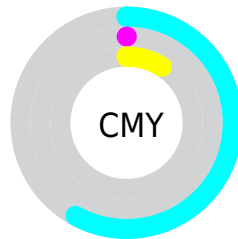
- Red (42%)
- Green (100%)
- Blue (91%)



- Red (42%)
- Yellow (74%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 45.360, 180.590 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, 45.360, 180.590 by changing the saturation by 10% instead.


 92, 45.360,
180.590


 92, 45.360,
180.590


 100, 45.360,
180.590


 82, 45.360,
180.590

 72, 45.360,
180.590

 62, 45.360,
180.590

 52, 45.360,
180.590

 42, 45.360,
180.590

 32, 45.360,
180.590

 22, 45.360,

180.590

■ 12, 45.360,
180.590

■ 2, 45.360, 180.590

■ 92, 45.360,
180.590

■ 92, 45.360,
180.590

■ 91, 50.163,
179.624

■ 93, 39.140,
181.951

■ 91, 54.093,
178.290

■ 94, 32.210,
182.987

■ 90, 56.972,
176.813

■ 95, 24.514,
183.965

■ 90, 58.940,
175.191

■ 97, 16.208,
184.902

■ 90, 59.247,
174.900

■ 98, 7.446, 185.833
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.



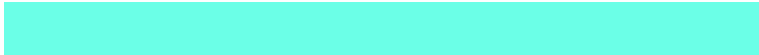
92, 45.360, 180.590



64, 60.622, 15.588

Rectangle

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



92, 45.360, 180.590



92, 45.360, 230.590



92, 45.360, 0.590



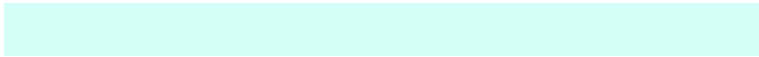
92, 45.360, 50.590

Sweetspot

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



92, 45.160, 180.837



97, 15.154, 185.015



91, 85.407, 136.080



51, 10.095, 184.829



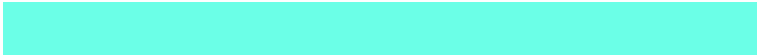
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 45.160, 180.837



91, 50.938, 179.397



79, 36.322, 245.381



52, 5.136, 185.711



69, 47.557, 175.208



23, 21.372, 177.392

Inverse Universe

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



64, 60.622, 15.588



59, 72.624, 19.420



74, 52.455, 51.947



50, 5.359, 7.259



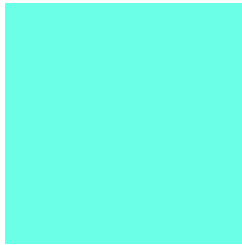
40, 77.035, 32.517



10, 32.229, 20.652

Previews

White Background



This preview shows how the CIELCh color 92, 45.360, 180.590 looks on a white background.

Color Contrast Check

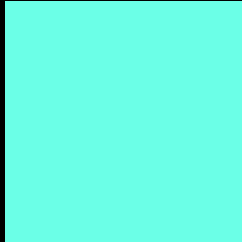
Large Text (above 18pt) WCAG AA × Fail

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, 45.360, 180.590 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

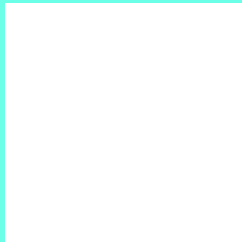
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 45.360, 180.590

Background



This preview shows how black text looks on a background with the CIELCh color 92, 45.360, 180.590.

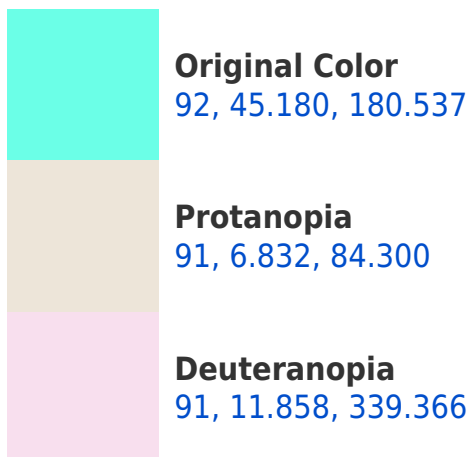


This preview shows how white text looks on a background with the CIELCh color 92, 45.360, 180.590.

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, 22.285, 215.847

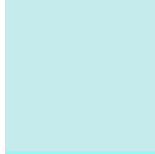
Trichromacy



Original Color
92, 45.180, 180.537



Protanomaly
90, 18.704, 171.781



Deuteranomaly
90, 12.896, 200.913

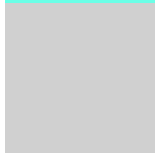


Tritanomaly
91, 30.258, 196.515

Monochromacy



Original Color
92, 45.180, 180.537



Achromatopsia
83, 0.010, 296.813



Achromatomaly
86, 18.946, 185.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 45.360, 180.590 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(107, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 45.360, 180.590 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(107, 255, 231) }
```

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

```
.border{ border-color:rgb(107, 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(107, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 45.360, 180.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 231) }
```

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

```
.background{ background-color: rgb(107,  
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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