

Converting Colors

CIELCh(91, 52.475, 188.373)

Have a look what the booklet for
CIELCh(91, 52.475, 188.373)
contains.

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Color

CIELCh(91, 52.224, 188.715)

Conversions

Conversions Part 1

Format	Color
Hex	0BFFF3
RGB	11, 255, 243
RGB Percent	4%, 100%, 95%
CMY	0.9564, 0.0000, 0.0483
CMYK	0.96, 0.00, 0.05, 0.00
HSL	177°, 100%, 52%
HSV	177°, 96%, 100%
XYZ	52.2472, 78.4833, 96.9296
YIQ	180.6760, -141.5720, -55.4600

Conversions

Conversions Part 2

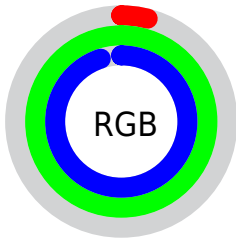
Format	Color
R _Y B	11, 136, 255
Decimal	786419
CIE Lab	91.00, -51.62, -7.91
CIE LCh	91, 52.224, 188.715
Yxy	78.4833, 0.2295, 0.3447
Android (android.graphics.Color)	4278976499 (0xFF0BFFF3)
YUV	180.6760, 30.7257, -148.8059
Hunter-Lab	88.5908, -49.7619, -2.8572

Details

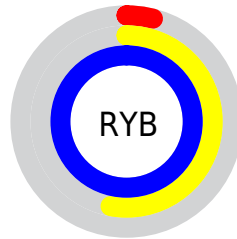
The CIELCh color **91, 52.224, 188.715** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 100.142, 37.413**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **72, 43.064, 188.867** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.326, 188.788**, and if you desaturate by 10%, it is **91, 50.737, 189.758**.

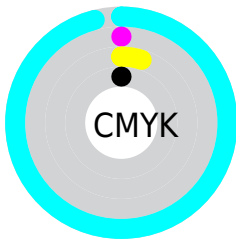
Distribution



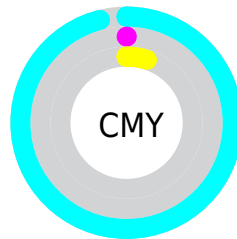
- Red (4%)
- Green (100%)
- Blue (95%)



- Red (4%)
- Yellow (53%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 52.224, 188.715 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, 52.224, 188.715 by changing the saturation by 10% instead.


 91, 52.224,
188.715


 91, 52.224,
188.715


 100, 52.224,
188.715


 81, 52.224,
188.715

 71, 52.224,
188.715

 61, 52.224,
188.715

 51, 52.224,
188.715

 41, 52.224,
188.715

 31, 52.224,
188.715

 21, 52.224,

188.715

■ 11, 52.224,
188.715

■ 1, 52.224, 188.715

■ 91, 52.224,
188.715

■ 91, 52.224,
188.715

■ 91, 52.326,
188.788

■ 91, 50.737,
189.758

■ 91, 48.501,
190.395

■ 92, 45.172,
191.014

■ 92, 40.730,
191.627

■ 93, 35.226,
192.246

■ 94, 28.759,
192.877

■ 96, 21.462,
193.526

■ 97, 13.485,
194.200

■ 99, 4.975, 194.954

Harmonies

Complementary

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



91, 52.224, 188.715



54, 100.142, 37.413

Rectangle

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



91, 52.224, 188.715



91, 52.224, 238.715



91, 52.224, 8.715



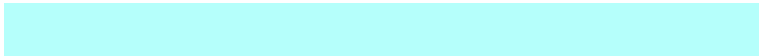
91, 52.224, 58.715

Sweetspot

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



91, 51.984, 189.088



95, 24.000, 193.305



88, 118.431, 135.852



50, 16.210, 193.029



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, 51.984, 189.088



91, 52.326, 188.788



61, 61.614, 275.616



52, 4.977, 194.640



70, 42.110, 188.912



24, 19.262, 189.777

Inverse Universe

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



54, 100.142, 37.413



53, 102.642, 38.620



65, 85.961, 55.791



49, 5.258, 15.855



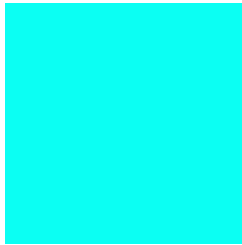
40, 82.100, 38.085



10, 32.960, 25.147

Previews

White Background



This preview shows how the CIE LCh color 91, 52.224, 188.715 looks on a white background.

Color Contrast Check

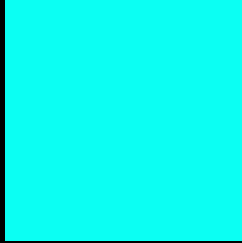
Large Text (above 18pt) WCAG AA × Fail

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, 52.224, 188.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

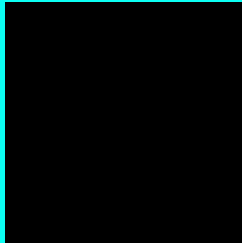
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

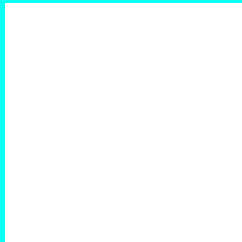
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 52.224, 188.715

Background



This preview shows how black text looks on a background with the CIELCh color 91, 52.224, 188.715.

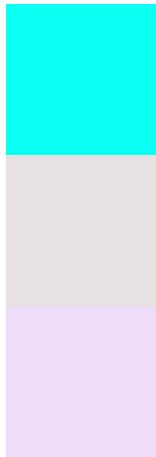


This preview shows how white text looks on a background with the CIELCh color 91, 52.224, 188.715.

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, 51.922, 189.274

Protanopia

90, 2.156, 19.277

Deuteranopia

90, 16.887, 312.985

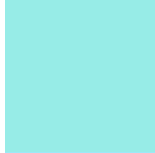


Tritanopia
91, 27.908, 211.878

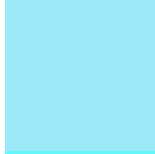
Trichromacy



Original Color
91, 51.922, 189.274



Protanomaly
88, 27.357, 192.091



Deuteranomaly
88, 24.757, 215.264

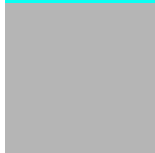


Tritanomaly
90, 39.929, 199.963

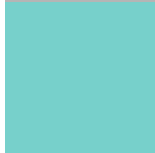
Monochromacy



Original Color
91, 51.922, 189.274



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 28.509, 191.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 52.224, 188.715 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(11, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 243)  
}
```

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(11, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 52.224, 188.715 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(11, 255, 243) }
```

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

```
.border{ border-color:rgb(11, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 52.224, 188.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 243) }
```

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

```
.background{ background-color: rgb(11, 255,  
243) }
```

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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