

Converting Colors

CIELCh(91, 52.625, 187.963)

Have a look what the booklet for
CIELCh(91, 52.625, 187.963)
contains.

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Color

CIELCh(91, 52.427, 188.152)

Conversions

Conversions Part 1

Format	Color
Hex	0CFFF2
RGB	12, 255, 242
RGB Percent	5%, 100%, 95%
CMY	0.9543, 0.0000, 0.0520
CMYK	0.95, 0.00, 0.05, 0.00
HSL	177°, 100%, 52%
HSV	177°, 95%, 100%
XYZ	52.1416, 78.4833, 96.2077
YIQ	180.8610, -140.6550, -55.5590

Conversions

Conversions Part 2

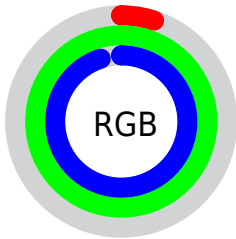
Format	Color
R _Y B	12, 137, 255
Decimal	851954
CIE Lab	91.00, -51.90, -7.43
CIE LCh	91, 52.427, 188.152
Yxy	78.4833, 0.2299, 0.3460
Android (android.graphics.Color)	4279042034 (0xFF0CFFF2)
YUV	180.8610, 30.1415, -148.0911
Hunter-Lab	88.5908, -49.9748, -2.3741

Details

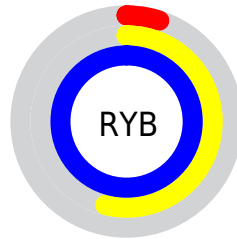
The CIELCh color **91, 52.427, 188.152** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 99.798, 37.174**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.090, 197.085**, and **72, 43.277, 188.151** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.527, 188.229**, and if you desaturate by 10%, it is **91, 50.863, 189.275**.

Distribution



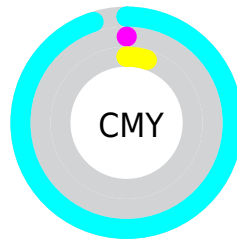
- Red (5%)
- Green (100%)
- Blue (95%)



- Red (5%)
- Yellow (54%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 52.427, 188.152 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, 52.427, 188.152 by changing the saturation by 10% instead.


 91, 52.427,
188.152


 91, 52.427,
188.152


 100, 52.427,
188.152


 81, 52.427,
188.152


 71, 52.427,
188.152

 61, 52.427,
188.152

 51, 52.427,
188.152

 41, 52.427,
188.152

 31, 52.427,
188.152

 21, 52.427,

188.152

■ 11, 52.427,
188.152

■ 1, 52.427, 188.152

■ 91, 52.427,
188.152

■ 91, 52.427,
188.152

■ 91, 52.527,
188.229

■ 91, 50.863,
189.275

■ 91, 48.579,
189.949

■ 92, 45.200,
190.598

■ 92, 40.710,
191.238

93, 35.160,
191.878

94, 28.654,
192.527

96, 21.325,
193.191

97, 13.322,
193.878

99, 4.794, 194.646

Harmonies

Complementary

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



91, 52.427, 188.152



54, 99.798, 37.174

Rectangle

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



91, 52.427, 188.152



91, 52.427, 238.152



91, 52.427, 8.152



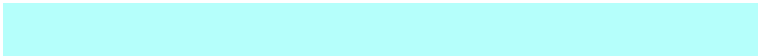
91, 52.427, 58.152

Sweetspot

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



91, 52.156, 188.564



95, 24.030, 192.951



88, 118.376, 135.852



50, 16.232, 192.668



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, 52.156, 188.564



91, 52.527, 188.229



61, 61.492, 275.510



52, 4.981, 194.309



70, 42.269, 188.361



24, 19.324, 189.287

Inverse Universe

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



54, 99.798, 37.174



53, 102.480, 38.499



65, 85.841, 55.849



49, 5.260, 15.540



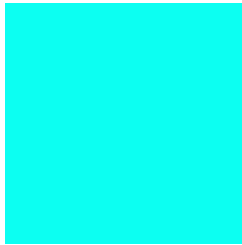
40, 81.953, 37.945



10, 32.930, 24.989

Previews

White Background



This preview shows how the CIE LCh color 91, 52.427, 188.152 looks on a white background.

Color Contrast Check

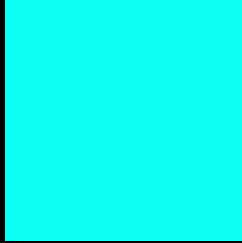
Large Text (above 18pt) WCAG AA × Fail

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, 52.427, 188.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

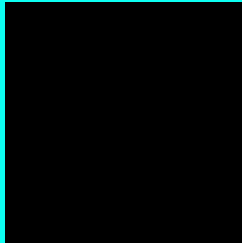
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

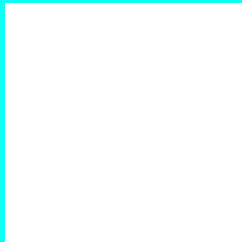
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 52.427, 188.152

Background



This preview shows how black text looks on a background with the CIELCh color 91, 52.427, 188.152.

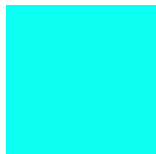


This preview shows how white text looks on a background with the CIELCh color 91, 52.427, 188.152.

Color Blindness Simulation

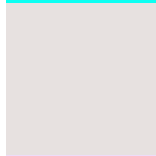
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



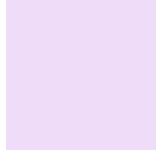
Original Color

91, 52.098, 188.704



Protanopia

90, 2.213, 32.813



Deuteranopia

90, 16.408, 313.651

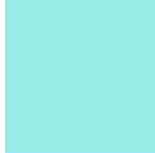


Tritanopia
91, 27.908, 211.878

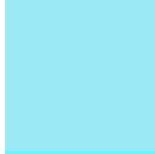
Trichromacy



Original Color
91, 52.098, 188.704



Protanomaly
88, 27.485, 191.003



Deuteranomaly
88, 24.682, 214.031

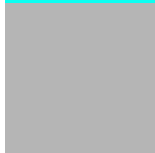


Tritanomaly
90, 40.021, 199.191

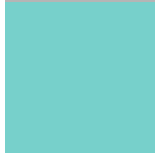
Monochromacy



Original Color
91, 52.098, 188.704



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, 52.427, 188.152 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(12, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 242)  
}
```

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(12, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 52.427, 188.152 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(12, 255, 242) }
```

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

```
.border{ border-color:rgb(12, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(12, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 52.427, 188.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 242) }
```

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

```
.background{ background-color: rgb(12, 255,  
242) }
```

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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