

Converting Colors

CIELCh(91, 51.572, 187.465)

Have a look what the booklet for
CIELCh(91, 51.572, 187.465)
contains.

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Color

CIELCh(91, 51.502, 187.473)

Conversions

Conversions Part 1

Format	Color
Hex	26FFF0
RGB	38, 255, 240
RGB Percent	15%, 100%, 94%
CMY	0.8509, 0.0000, 0.0574
CMYK	0.85, 0.00, 0.06, 0.00
HSL	176°, 100%, 57%
HSV	176°, 85%, 100%
XYZ	52.4605, 78.4833, 95.1053
YIQ	188.4070, -124.5170, -50.6690

Conversions

Conversions Part 2

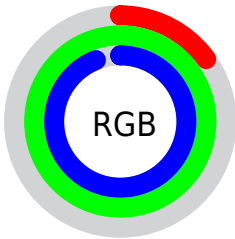
Format	Color
R_{YB}	38, 150, 255
Decimal	2555888
CIE _{Lab}	91.00, -51.06, -6.70
CIE _{LCh}	91, 51.502, 187.473
Yxy	78.4833, 0.2321, 0.3472
Android (android.graphics.Color)	4280745968 (0xFF26FFF0)
YUV	188.4070, 25.4353, -131.9069
Hunter-Lab	88.5908, -49.3323, -1.6363

Details

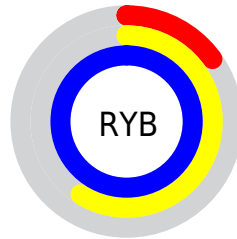
The CIELCh color **91, 51.502, 187.473** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 90.655, 32.283**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **72, 43.719, 186.739** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.782, 186.828**, and if you desaturate by 10%, it is **91, 48.953, 188.463**.

Distribution



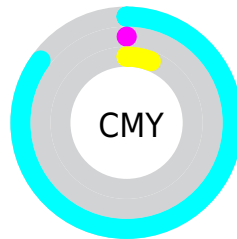
- Red (15%)
- Green (100%)
- Blue (94%)



- Red (15%)
- Yellow (59%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 51.502, 187.473 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, 51.502, 187.473 by changing the saturation by 10% instead.


 91, 51.502,
187.473


 91, 51.502,
187.473


 100, 51.502,
187.473


 81, 51.502,
187.473

 71, 51.502,
187.473

 61, 51.502,
187.473

 51, 51.502,
187.473

 41, 51.502,
187.473

 31, 51.502,
187.473

 21, 51.502,

187.473

■ 11, 51.502,
187.473

■ 1, 51.502, 187.473

■ 91, 51.502,
187.473

■ 91, 51.502,
187.473

■ 91, 52.782,
186.828

■ 91, 48.953,
188.463

■ 91, 53.228,
186.397

■ 92, 45.446,
189.211

■ 92, 40.833,
189.933

■ 93, 35.171,
190.641

■ 94, 28.565,
191.347

■ 96, 21.154,
192.058

■ 97, 13.087,
192.784

■ 99, 4.513, 193.591

■ 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.



91, 51.502, 187.473



55, 90.655, 32.283

Rectangle

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



91, 51.502, 187.473



91, 51.502, 237.473



91, 51.502, 7.473



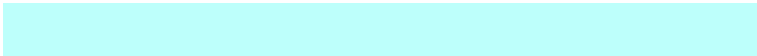
91, 51.502, 57.473

Sweetspot

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



91, 51.366, 187.674



96, 21.855, 191.993



88, 113.700, 135.908



51, 14.645, 191.746



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, 51.366, 187.674



91, 53.228, 186.397



65, 54.010, 268.248



52, 4.994, 193.210



70, 42.821, 186.557



24, 19.539, 187.677

Inverse Universe

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



55, 90.655, 32.283



53, 101.899, 38.060



67, 78.751, 56.799



50, 5.266, 14.492



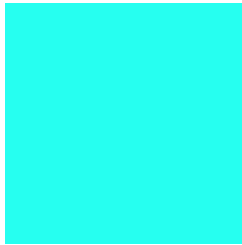
40, 81.435, 37.444



10, 32.833, 24.458

Previews

White Background



This preview shows how the CIE LCh color 91, 51.502, 187.473 looks on a white background.

Color Contrast Check

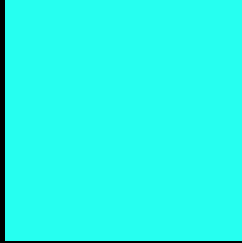
Large Text (above 18pt) WCAG AA × Fail

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, 51.502, 187.473 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

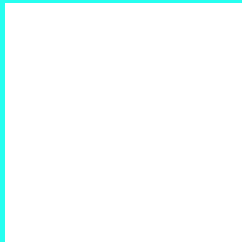
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 51.502, 187.473

Background



This preview shows how black text looks on a background with the CIELCh color 91, 51.502, 187.473.

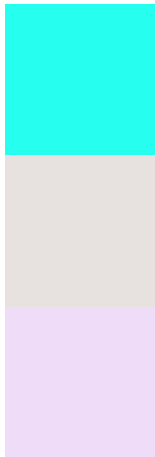


This preview shows how white text looks on a background with the CIELCh color 91, 51.502, 187.473.

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, 51.442, 187.466

Protanopia

90, 2.362, 60.305

Deuteranopia

90, 16.071, 315.514

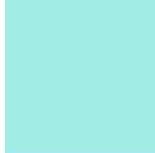


Tritanopia
91, 27.420, 212.162

Trichromacy



Original Color
91, 51.442, 187.466



Protanomaly
89, 25.285, 188.188



Deuteranomaly
88, 21.982, 214.771

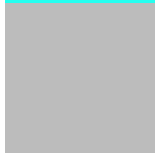


Tritanomaly
90, 38.052, 199.424

Monochromacy



Original Color
91, 51.442, 187.466



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 25.885, 191.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 51.502, 187.473 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(38, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 240)  
}
```

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(38, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 51.502, 187.473 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(38, 255, 240) }
```

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

```
.border{ border-color:rgb(38, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 51.502, 187.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 240) }
```

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

```
.background{ background-color: rgb(38, 255,  
240) }
```

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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