

Converting Colors

CIELCh(91, 46.365, 196.464)

Have a look what the booklet for
CIELCh(91, 46.365, 196.464)
contains.

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Color

CIELCh(91, 46.358, 196.586)

Conversions

Conversions Part 1

Format	Color
Hex	41DFDF
RGB	65, 253, 253
RGB Percent	25%, 99%, 99%
CMY	0.7449, 0.0077, 0.0077
CMYK	0.74, 0.00, 0.00, 0.01
HSL	180°, 98%, 62%
HSV	180°, 74%, 99%
XYZ	55.0481, 78.4833, 105.1949
YIQ	196.7880, -112.0480, -39.8560

Conversions

Conversions Part 2

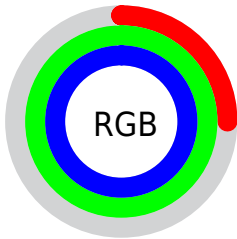
Format	Color
RYB	65, 159, 253
Decimal	4324861
CIELab	91.00, -44.43, -13.23
CIELCh	91, 46.358, 196.586
Yxy	78.4833, 0.2306, 0.3288
Android (android.graphics.Color)	4282514941 (0xFF41FDFD)
YUV	196.7880, 27.7125, -115.5781
Hunter-Lab	88.5908, -44.1186, -8.3888

Details

The CIELCh color **91, 46.358, 196.586** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 82.372, 32.193**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **72, 41.110, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.433, 196.465**, and if you desaturate by 10%, it is **91, 43.190, 196.770**.

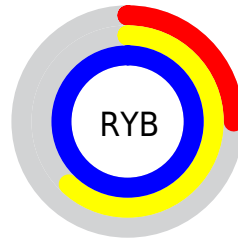
Distribution



Red (25%)

Green (99%)

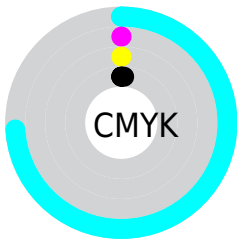
Blue (99%)



Red (25%)

Yellow (62%)

Blue (99%)

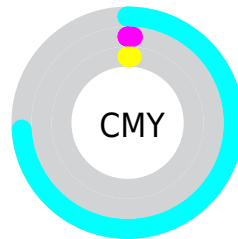


Cyan (74%)

Magenta (0%)

Yellow (0%)

Black (1%)



Cyan (74%)

Magenta (1%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 46.358, 196.586 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, 46.358, 196.586 by changing the saturation by 10% instead.


 91, 46.358,
196.586


 91, 46.358,
196.586


 100, 46.358,
196.586


 81, 46.358,
196.586

 71, 46.358,
196.586

 61, 46.358,
196.586

 51, 46.358,
196.586

 41, 46.358,
196.586

 31, 46.358,
196.586

 21, 46.358,

196.586

■ 11, 46.358,
196.586

■ 1, 46.358, 196.586

■ 91, 46.358,
196.586

■ 91, 46.358,
196.586

■ 91, 48.433,
196.465

■ 91, 43.190,
196.770

■ 91, 49.518,
196.402

■ 92, 38.911,
197.022

■ 90, 49.821,
196.384

■ 93, 33.563,
197.342

■ 94, 27.240,
197.727

■ 95, 20.069,
198.175

■ 97, 12.193,
198.686

■ 99, 3.756, 199.340

■ 99, 0.692, 18.491

■ 99, 0.692, 18.478

Harmonies

Complementary

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



91, 46.358, 196.586



57, 82.372, 32.193

Rectangle

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



91, 46.358, 196.586



91, 46.358, 246.586



91, 46.358, 16.586



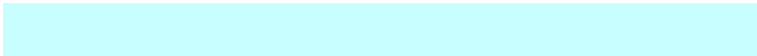
91, 46.358, 66.586

Sweetspot

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



91, 46.357, 196.585



96, 18.436, 198.285



88, 105.994, 137.379



51, 12.271, 198.154



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, 46.357, 196.585



91, 49.352, 196.428



65, 53.241, 271.684



52, 4.945, 198.962



70, 40.365, 196.384



24, 18.570, 196.385

Inverse Universe

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



57, 82.372, 32.193



54, 97.931, 37.410



73, 67.154, 64.189



49, 5.254, 19.942



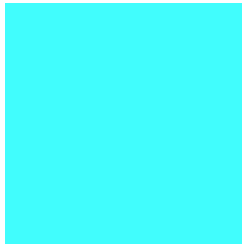
40, 84.229, 40.000



10, 33.367, 27.176

Previews

White Background



This preview shows how the CIE LCh color 91, 46.358, 196.586 looks on a white background.

Color Contrast Check

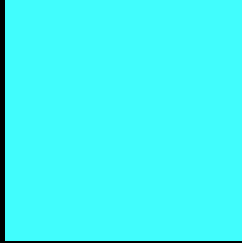
Large Text (above 18pt) WCAG AA × Fail

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, 46.358, 196.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

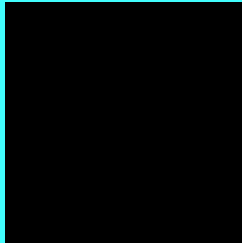
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 46.358, 196.586

Background



This preview shows how black text looks on a background with the CIELCh color 91, 46.358, 196.586.

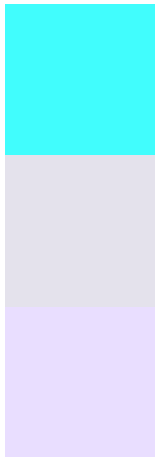


This preview shows how white text looks on a background with the CIELCh color 91, 46.358, 196.586.

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, 46.358, 196.586

Protanopia
90, 5.259, 298.283

Deuteranopia
90, 17.637, 303.796



Tritanopia
91, 26.678, 212.612

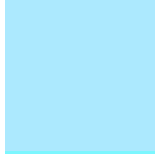
Trichromacy



Original Color
91, 46.358, 196.586



Protanomaly
89, 21.684, 206.392



Deuteranomaly
89, 21.737, 228.766

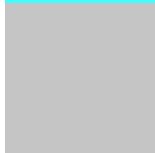


Tritanomaly
90, 35.149, 204.120

Monochromacy



Original Color
91, 46.358, 196.586



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 22.274, 197.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 46.358, 196.586 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(65, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(65, 253, 253)  
}
```

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(65, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 253, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 46.358, 196.586 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(65, 253, 253) }
```

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

```
.border{ border-color:rgb(65, 253, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(65, 253,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 46.358, 196.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 253, 253) }
```

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

```
.background{ background-color: rgb(65, 253,  
253) }
```

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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