

Converting Colors

CIELCh(90, 60.492, 163.690)

Have a look what the booklet for
CIELCh(90, 60.492, 163.690)
contains.

CIELCh(90, 60.477, 163.645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 60.477, 163.645)

Conversions

Conversions Part 1

Format	Color
Hex	51FEC0
RGB	81, 254, 192
RGB Percent	32%, 100%, 75%
CMY	0.6833, 0.0046, 0.2477
CMYK	0.68, 0.00, 0.24, 0.00
HSL	159°, 99%, 66%
HSV	159°, 68%, 100%
XYZ	48.2516, 76.3034, 61.9535
YIQ	195.2050, -83.2060, -55.9580

Conversions

Conversions Part 2

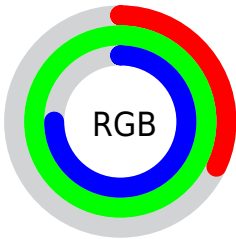
Format	Color
R_{YB}	81, 186, 254
Decimal	5373632
CIE _{Lab}	90.00, -58.03, 17.03
CIE _{LCh}	90, 60.477, 163.645
Yxy	76.3034, 0.2587, 0.4091
Android (android.graphics.Color)	4283563712 (0xFF51FEC0)
YUV	195.2050, -1.5801, -100.1578
Hunter-Lab	87.3518, -54.2653, 19.0953

Details

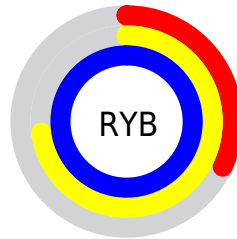
The CIELCh color **90, 60.477, 163.645** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted cyan. A complement of this color would be **61, 69.683, 2.999**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.787, 191.920**, and **70, 57.736, 162.085** is the 20% darker color. If you saturate the color by 10%, you get **89, 66.471, 161.788**, and if you desaturate by 10%, it is **91, 53.496, 165.297**.

Distribution



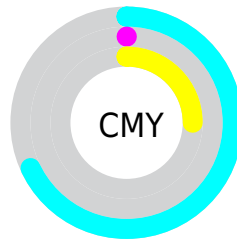
- Red (32%)
- Green (100%)
- Blue (75%)



- Red (32%)
- Yellow (73%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 60.477, 163.645 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 90, 60.477, 163.645 by changing the saturation by 10% instead.


 90, 60.477,
163.645

 90, 60.477,
163.645

 100, 60.477,
163.645


 80, 60.477,
163.645

 70, 60.477,
163.645

 60, 60.477,
163.645


 50, 60.477,
163.645

 40, 60.477,
163.645


 30, 60.477,
163.645


 20, 60.477,

163.645


 10, 60.477,
163.645


 0, 60.477, 163.645


 90, 60.477,
163.645


 90, 60.477,
163.645


 89, 66.471,
161.788


 91, 53.496,
165.297


 89, 71.467,
159.719

 92, 45.615,
166.768

 89, 75.581,
157.461

 93, 36.977,
168.084

 89, 76.288,
157.052

 94, 27.748,
169.270

■ 96, 18.100,
170.353

■ 98, 8.192, 171.372

100, 0.742,
324.051

Harmonies

Complementary

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



90, 60.477, 163.645



61, 69.683, 2.999

Rectangle

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



90, 60.477, 163.645



90, 60.477, 213.645



90, 60.477, 343.645



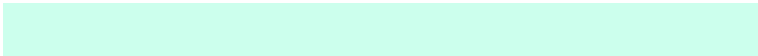
90, 60.477, 33.645

Sweetspot

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



90, 60.478, 163.644



96, 19.956, 170.161



90, 91.687, 130.557



51, 13.576, 169.862



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 60.478, 163.644



90, 68.747, 161.018



85, 39.399, 215.260



52, 5.714, 171.236



69, 61.206, 157.475



23, 26.702, 160.615

Inverse Universe

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



61, 69.683, 2.999



57, 79.113, 7.926



63, 69.848, 36.969



50, 5.844, 352.894



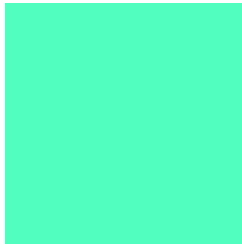
40, 69.043, 15.839



10, 31.296, 8.328

Previews

White Background



This preview shows how the CIE LCh color 90, 60.477, 163.645 looks on a white background.

Color Contrast Check

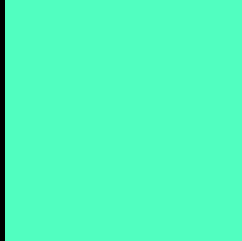
Large Text (above 18pt) WCAG AA × Fail

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 90, 60.477, 163.645 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 90, 60.477, 163.645

Background



This preview shows how black text looks on a background with the CIELCh color 90, 60.477, 163.645.

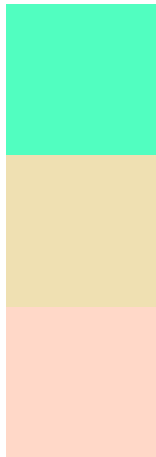


This preview shows how white text looks on a background with the CIELCh color 90, 60.477, 163.645.

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
90, 60.477, 163.645

Protanopia
89, 24.489, 94.399

Deuteranopia
89, 17.090, 49.147

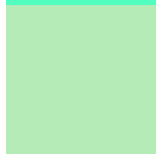


Tritanopia
90, 28.252, 213.929

Trichromacy



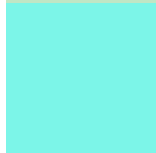
Original Color
90, 60.477, 163.645



Protanomaly
88, 33.524, 143.909

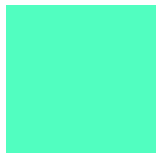


Deuteranomaly
88, 22.139, 147.171



Tritanomaly
90, 37.368, 186.500

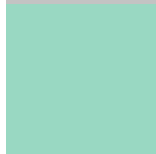
Monochromacy



Original Color
90, 60.477, 163.645



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 25.005, 169.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 60.477, 163.645 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(81, 254, 192)` looks like.

```
.text, #text, p{  
    color:rgb(81, 254, 192)  
}
```

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(81, 254, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 254, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 60.477, 163.645 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(81, 254, 192) }
```

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

```
.border{ border-color:rgb(81, 254, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 254, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 254, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 254, 192);  
box-shadow:4px 4px 4px 4px rgb(81, 254,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 60.477, 163.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 254, 192) }
```

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

```
.background{ background-color: rgb(81, 254,  
192) }
```

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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