

# Converting Colors

CIELCh(95, 24.181, 193.331)

Have a look what the booklet for  
CIELCh(95, 24.181, 193.331)  
contains.

<b>CIELCh(95, 24.050, 192.978)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIElCh(95, 24.050, 192.978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FEFA
RGB	180, 254, 250
RGB Percent	71%, 100%, 98%
CMY	0.2935, 0.0033, 0.0190
CMYK	0.29, 0.00, 0.02, 0.00
HSL	177°, 98%, 85%
HSV	177°, 29%, 100%
XYZ	71.6306, 87.6183, 103.7088
YIQ	231.4180, -42.8200, -16.9320

# Conversions

## Conversions Part 2

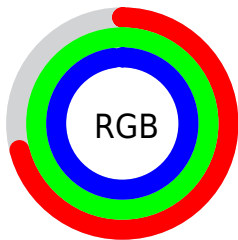
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 218, 254
Decimal	11861754
CIE <sub>Lab</sub>	95.00, -23.44, -5.40
CIE <sub>LCh</sub>	95, 24.050, 192.978
Yxy	87.6183, 0.2724, 0.3332
Android (android.graphics.Color)	4290051834 (0xFFB4FEFA)
YUV	231.4180, 9.1609, -45.0936
Hunter-Lab	93.6047, -27.2117, -0.1668

# Details

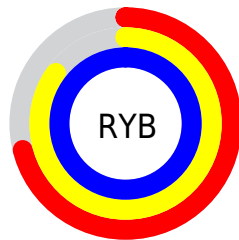
The CIELCh color **95, 24.050, 192.978** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **80, 28.791, 17.696**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 5.840, 199.149**, and **75, 23.809, 193.686** is the 20% darker color. If you saturate the color by 10%, you get **94, 31.073, 192.318**, and if you desaturate by 10%, it is **96, 16.301, 193.650**.

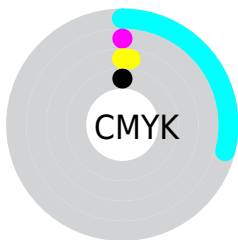
# Distribution



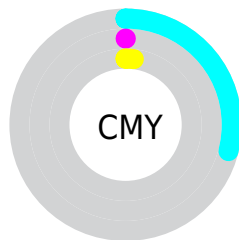
- Red (71%)
- Green (100%)
- Blue (98%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 24.050, 192.978 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 95, 24.050, 192.978 by changing the saturation by 10% instead.





 95, 24.050,  
192.978


 95, 24.050,  
192.978


 100, 24.050,  
192.978


 85, 24.050,  
192.978

 75, 24.050,  
192.978

 65, 24.050,  
192.978

 55, 24.050,  
192.978

 45, 24.050,  
192.978

 35, 24.050,  
192.978

 25, 24.050,

192.978

■ 15, 24.050,  
192.978

■ 5, 24.050, 192.978

■ 95, 24.050,  
192.978

■ 95, 24.050,  
192.978

■ 94, 31.073,  
192.318

■ 96, 16.301,  
193.650

■ 93, 37.223,  
191.675

■ 98, 7.973, 194.368

100, 0.303, 5.476

■ 92, 42.376,  
191.038

100, 0.529,  
323.875

■ 91, 46.447,  
190.399

■ 91, 49.407,  
189.746

■ 91, 51.302,  
189.063

■ 90, 52.307,  
188.342

■ 90, 52.379,  
188.278

# Harmonies

# Complementary

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



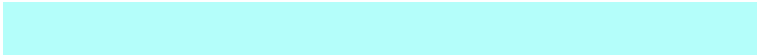
95, 24.050, 192.978



80, 28.791, 17.696

# Rectangle

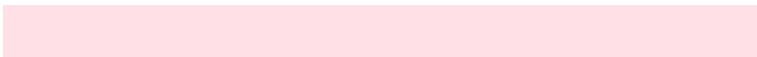
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 24.050, 192.978



95, 24.050, 242.978



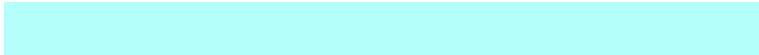
95, 24.050, 12.978



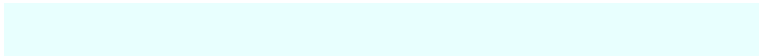
95, 24.050, 62.978

# Sweetspot

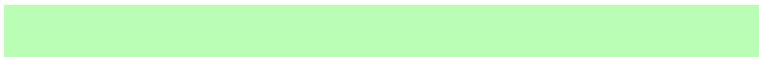
The Sweet Spot groups the original color and five complimentary colors.



95, 24.051, 192.974



98, 7.893, 194.377



94, 45.404, 140.790



52, 5.467, 194.266



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

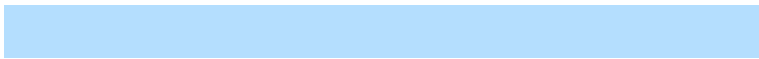
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 24.051, 192.974



95, 28.354, 192.586



87, 21.052, 252.171



52, 4.980, 194.338



70, 42.255, 188.409



24, 19.319, 189.330



# Inverse Universe

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



80, 28.791, 17.696



77, 35.365, 18.539



88, 23.636, 64.617



49, 5.260, 15.567



40, 81.966, 37.957

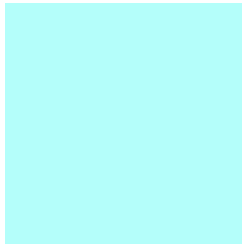


10, 32.933, 25.002



# Previews

## White Background



This preview shows how the CIE LCh color 95, 24.050, 192.978 looks on a white background.

## Color Contrast Check

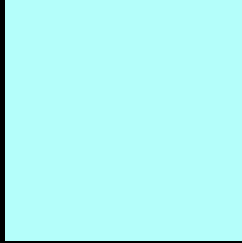
Large Text (above 18pt) WCAG AA × Fail

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 95, 24.050, 192.978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

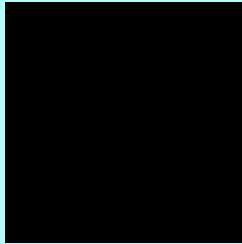
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 95, 24.050, 192.978

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 24.050, 192.978.



This preview shows how white text looks on a background with the CIELCh color 95, 24.050, 192.978.

# 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





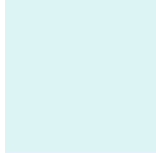


**Tritanopia**  
95, 10.881, 227.192

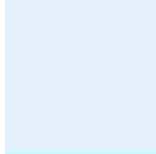
# Trichromacy



**Original Color**  
95, 24.050, 192.978



**Protanomaly**  
95, 8.249, 198.944

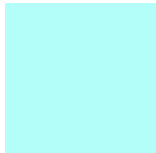


**Deuteranomaly**  
95, 7.523, 254.561

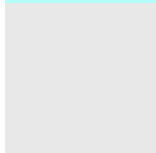


**Tritanomaly**  
95, 15.061, 208.398

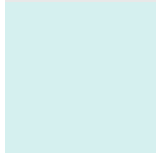
# Monochromacy



**Original Color**  
95, 24.050, 192.978



**Achromatopsia**  
92, 0.011, 296.813



**Achromatomaly**  
93, 9.317, 195.669

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 24.050, 192.978 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(180, 254, 250)` looks like.

```
.text, #text, p{  
    color:rgb(180, 254, 250)  
}
```

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(180, 254, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 254, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 24.050, 192.978 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(180, 254, 250) }
```

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

```
.border{ border-color:rgb(180, 254, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 254, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 254, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 254, 250);  
box-shadow:4px 4px 4px 4px rgb(180, 254,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 24.050, 192.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 254, 250) }
```

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

```
.background{ background-color: rgb(180,  
254, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor