Converting Colors

CIELCh(100, 51.706, 140.754)

Have a look what the booklet for CIELCh(100, 51.706, 140.754) contains.

Color

CIELCh(95, 40.173, 140.420)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFBE
RGB	196, 255, 190
RGB Percent	77%, 100%, 75%
CMY	0.2314, 0.0000, 0.2550
CMYK	0.23, 0.00, 0.26, 0.00
HSL	114°, 100%, 87%
HSV	114°, 26%, 100%
XYZ	68.1342, 87.6183, 62.0139
YIQ	229.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

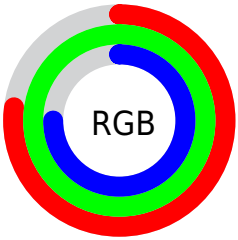
Format	Color
RYB	190, 255, 249
Decimal	12910526
CIELab	95.00, -30.96, 25.60
CIELCh	95, 40.173, 140.420
Yxy	87.6183, 0.3129, 0.4023
Android (android.graphics.Color)	4291100606 (0xFFC4FFBE)
YUV	229.9490, -19.6949, -29.7733
Hunter-Lab	93.6047, -33.8792, 26.2431

Details

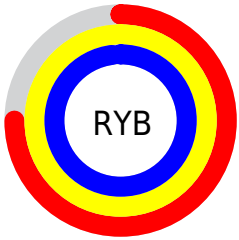
The CIELCh color 95, 40.173, 140.420 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 84, 39.767, 323.177, and the grayscale version is 91, 0.011, 296.813.

A 20% lighter version of the original color is 100, 4.116, 119.724, and 75, 39.671, 140.306 is the 20% darker color. If you saturate the color by 10%, you get 93, 54.911, 139.641, and if you desaturate by 10%, it is 97, 24.008, 141.079.

Distribution

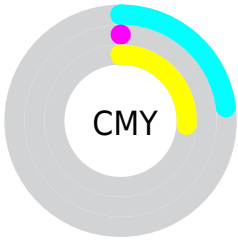


- Red (77%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (98%)

- Cyan (23%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 40.173, 140.420 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, 40.173, 140.420 by changing the saturation by 10% instead.

95, 40.173, 140.420

100, 40.173, 140.420

95, 40.173, 140.420

85, 40.173, 140.420

75, 40.173, 140.420

65, 40.173, 140.420

55, 40.173, 140.420

45, 40.173, 140.420

35, 40.173, 140.420

25, 40.173,

140.420

15, 40.173, 140.420

5, 40.173, 140.420

95, 40.173, 140.420

93, 54.911, 139.641

92, 69.726, 138.795

90, 83.597, 137.899

89, 95.995, 137.021

95, 40.173, 140.420

97, 24.008, 141.079

99, 8.470, 141.677

100, 0.012, 296.813

89, 106.280, 136.274

88, 113.795, 135.795

88, 118.132, 135.688

88, 119.256, 135.698

Harmonies

Complementary

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

95, 40.173, 140.420

84, 39.767, 323.177

Rectangle

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

95, 40.173, 140.420

95, 40.173, 190.420

95, 40.173, 320.420

95, 40.173, 10.420

Sweetspot

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

95, 39.567, 140.405

98, 12.336, 141.531

97, 29.729, 103.074

52, 8.776, 141.443

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, 39.567, 140.405

94, 48.044, 139.996

95, 30.426, 156.460

52, 8.776, 141.443

68, 95.941, 135.612

23, 43.079, 135.499

Inverse Universe

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

84, 39.767, 323.177

81, 48.311, 323.441

84, 30.999, 340.704

50, 8.804, 322.375

42, 93.645, 324.631

11, 43.039, 325.055

Previews

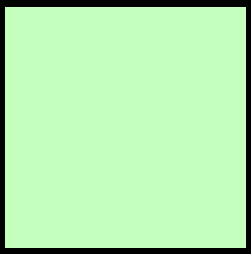
White Background

This preview shows how the CIELCh color 95, 40.173, 140.420 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



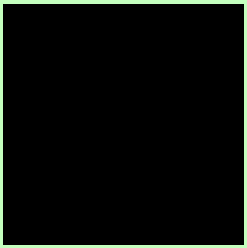
This preview shows how the CIELCh color 95, 40.173, 140.420 looks on a black background.

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, 40.173, 140.420 Background



This preview shows how black text looks on a background with the CIELCh color 95, 40.173, 140.420.

This preview shows how white text looks on a background with the CIELCh color 95, 40.173, 140.420.

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
95, 39.547, 140.412

Protanopia
95, 28.245, 95.319

Deuteranopia
95, 9.636, 63.288

Tritanopia
95, 9.532, 239.542

Trichromacy

Original Color
95, 39.547, 140.412

Protanomaly
94, 29.775, 115.932

Deuteranomaly
94, 16.707, 120.315

Tritanomaly
94, 14.833, 164.798

Monochromacy

Original Color
95, 39.547, 140.412

Achromatopsia
91, 0.011, 296.813

Achromatomaly
92, 14.561, 140.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 40.173, 140.420 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(196, 255, 190) looks like.

```
.text, #text, p{
    color:rgb(196, 255, 190)
}
```

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(196, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 40.173, 140.420 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(196, 255, 190) }
```

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

```
.border{ border-color:rgb(196, 255, 190) }
```

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

Here you see how a box with a 4 pixel rgb(196, 255, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 190); box-shadow:4px 4px 4px 4px rgb(196, 255, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 40.173, 140.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(196, 255, 190) }
```

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

```
.background{ background-color:rgb(196,
255, 190) }
```

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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