Converting Colors

CIELCh(90, 45.139, 140.674)

Have a look what the booklet for CIELCh(90, 45.139, 140.674) contains.

Color

CIELCh(90, 45.132, 140.678)

Conversions

Conversions Part 1

Format	Color
Hex	AFF3AA
RGB	175, 243, 170
RGB Percent	69%, 95%, 67%
CMY	0.3128, 0.0461, 0.3324
CMYK	0.28, 0.00, 0.30, 0.05
HSL	116°, 76%, 81%
HSV	116°, 30%, 95%
XYZ	57.1363, 76.3034, 49.8633
YIQ	214.3460, -17.0950, -37.1190

Conversions

Conversions Part 2

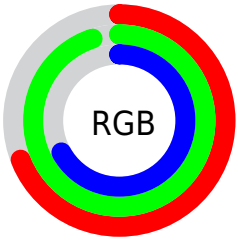
Format	Color
RYB	170, 243, 238
Decimal	11531178
CIELab	90.00, -34.91, 28.60
CIELCh	90, 45.132, 140.678
Yxy	76.3034, 0.3117, 0.4163
Android (android.graphics.Color)	4289721258 (0xFFAFF3AA)
YUV	214.3460, -21.8626, -34.5064
Hunter-Lab	87.3518, -36.1099, 27.3016

Details

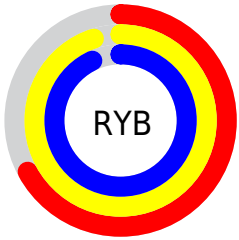
The CIELCh color 90, 45.132, 140.678 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 78, 45.309, 324.097, and the grayscale version is 86, 0.010, 296.813.

A 20% lighter version of the original color is 98, 16.956, 138.085, and 70, 45.064, 140.736 is the 20% darker color. If you saturate the color by 10%, you get 88, 59.814, 139.841, and if you desaturate by 10%, it is 92, 30.107, 141.418.

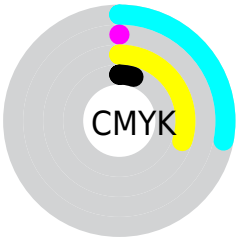
Distribution



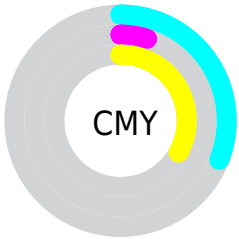
- Red (69%)
- Green (95%)
- Blue (67%)



- Red (67%)
- Yellow (95%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)



- Cyan (31%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 45.132, 140.678 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, 45.132, 140.678 by changing the saturation by 10% instead.

90, 45.132, 140.678

100, 45.132, 140.678

90, 45.132, 140.678

80, 45.132, 140.678

70, 45.132, 140.678

60, 45.132, 140.678

50, 45.132, 140.678

40, 45.132, 140.678

30, 45.132, 140.678

20, 45.132,

140.678

10, 45.132, 140.678

0, 45.132, 140.678

90, 45.132, 140.678

88, 59.814, 139.841

87, 73.795, 138.922

86, 86.619, 137.966

85, 97.724, 137.058

90, 45.132, 140.678

92, 30.107, 141.418

94, 15.002, 142.064

96, 0.016, 160.689

97, 7.317, 324.654

85, 106.470, 136.328

84, 112.293, 135.910

84, 115.231, 135.799

Harmonies

Complementary

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

90, 45.132, 140.678

78, 45.309, 324.097

Rectangle

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

90, 45.132, 140.678

90, 45.132, 190.678

90, 45.132, 320.678

90, 45.132, 10.678

Sweetspot

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

90, 45.134, 140.678

98, 13.995, 142.125

93, 34.171, 103.435

52, 9.734, 142.036

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, 45.134, 140.678

93, 56.080, 140.181

90, 33.948, 156.757

50, 8.552, 142.096

66, 94.181, 135.730

21, 40.518, 136.368

Inverse Universe

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

78, 45.309, 324.097

78, 56.292, 324.386

78, 34.757, 341.963

48, 8.576, 323.052

42, 91.591, 325.554

10, 40.695, 325.903

Previews

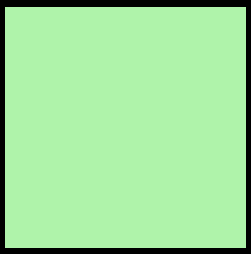
White Background

This preview shows how the CIELCh color 90, 45.132, 140.678 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



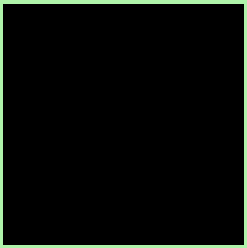
This preview shows how the CIELCh color 90, 45.132, 140.678 looks on a black background.

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, 45.132, 140.678 Background



This preview shows how black text looks on a background with the CIELCh color 90, 45.132, 140.678.

This preview shows how white text looks on a background with the CIELCh color 90, 45.132, 140.678.

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, 45.132, 140.678

Protanopia
90, 33.226, 95.014

Deuteranopia
90, 20.603, 66.429

Tritanopia
90, 16.593, 233.169

Trichromacy

Original Color
90, 45.132, 140.678

Protanomaly
90, 34.733, 116.380

Deuteranomaly
89, 23.215, 110.150

Tritanomaly
90, 19.641, 174.670

Monochromacy

Original Color
90, 45.132, 140.678

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 16.216, 141.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 45.132, 140.678 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(175, 243, 170) looks like.

```
.text, #text, p{
    color:rgb(175, 243, 170)
}
```

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(175, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 243, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 45.132, 140.678 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(175, 243, 170) }
```

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

```
.border{ border-color:rgb(175, 243, 170) }
```

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

Here you see how a box with a 4 pixel rgb(175, 243, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 243, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 243, 170); box-shadow:4px 4px 4px 4px rgb(175, 243, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 45.132, 140.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(175, 243, 170) }
```

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

```
.background{ background-color:rgb(175,
243, 170) }
```

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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