Converting Colors

CIELCh(90, 75.849, 130.466)

Have a look what the booklet for CIELCh(90, 75.849, 130.466) contains.

Color

CIELCh(90, 76.211, 130.322)

Conversions

Conversions Part 1

Format	Color
Hex	A3F96D
RGB	163, 249, 109
RGB Percent	64%, 98%, 43%
CMY	0.3626, 0.0253, 0.5742
CMYK	0.35, 0.00, 0.56, 0.03
HSL	97°, 92%, 70%
HSV	97°, 56%, 97%
XYZ	51.4840, 76.3034, 26.3625
YIQ	207.3260, -6.3160, -61.7720

Conversions

Conversions Part 2

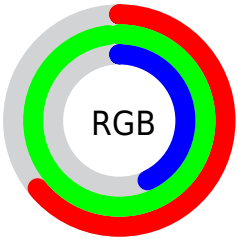
Format	Color
RYB	109, 249, 195
Decimal	10746221
CIELab	90.00, -49.31, 58.10
CIELCh	90, 76.211, 130.322
Yxy	76.3034, 0.3340, 0.4950
Android (android.graphics.Color)	4288936301 (0xFFA3F96D)
YUV	207.3260, -48.4747, -38.8739
Hunter-Lab	87.3518, -47.6600, 43.2527

Details

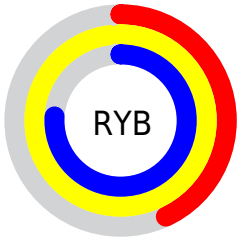
The CIELCh color 90, 76.211, 130.322 is a light color, and the websafe version is hex 99FF66. A complement of this color would be 61, 80.806, 315.393, and the grayscale version is 83, 0.010, 296.813.

A 20% lighter version of the original color is 96, 47.441, 122.652, and 70, 76.210, 130.238 is the 20% darker color. If you saturate the color by 10%, you get 89, 87.695, 130.034, and if you desaturate by 10%, it is 91, 63.594, 130.758.

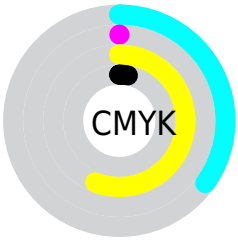
Distribution



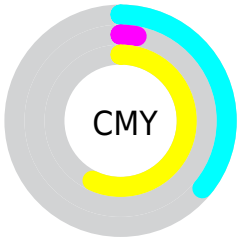
- Red (64%)
- Green (98%)
- Blue (43%)



- Red (43%)
- Yellow (98%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (56%)
- Black (3%)



- Cyan (36%)
- Magenta (3%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 76.211, 130.322 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, 76.211, 130.322 by changing the saturation by 10% instead.

90, 76.211, 130.322

100, 76.211, 130.322

90, 76.211, 130.322

80, 76.211, 130.322

70, 76.211, 130.322

60, 76.211, 130.322

50, 76.211, 130.322

40, 76.211, 130.322

30, 76.211, 130.322

20, 76.211,

130.322

10, 76.211, 130.322

0, 76.211, 130.322

90, 76.211, 130.322

90, 76.211, 130.322

89, 87.695, 130.034

91, 63.594, 130.758

88, 97.480, 130.008

92, 50.272, 131.255

88, 104.967, 130.379

94, 36.555, 131.763

87, 109.788, 131.230

95, 22.661, 132.254

87, 111.099, 131.598

97, 8.742, 132.719

98, 3.860, 320.975

98, 4.016, 324.505

Harmonies

Complementary

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

90, 76.211, 130.322

61, 80.806, 315.393

Rectangle

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

90, 76.211, 130.322

90, 76.211, 180.322

90, 76.211, 310.322

90, 76.211, 0.322

Sweetspot

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

90, 76.212, 130.323

97, 24.110, 132.220

81, 50.651, 77.699

51, 16.131, 132.123

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, 76.212, 130.323

91, 91.332, 130.006

88, 79.700, 142.165

51, 7.915, 132.572

68, 90.074, 131.349

22, 39.087, 130.139

Inverse Universe

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

61, 80.806, 315.393

56, 97.793, 315.674

67, 78.773, 330.552

48, 7.999, 313.348

33, 97.123, 314.793

7, 43.190, 316.033

Previews

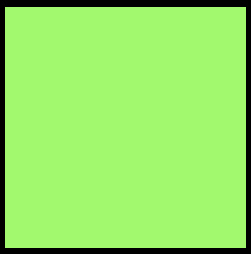
White Background

This preview shows how the CIELCh color 90, 76.211, 130.322 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



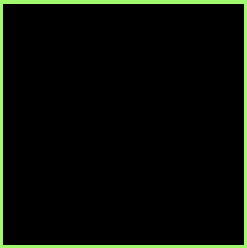
This preview shows how the CIELCh color 90, 76.211, 130.322 looks on a black background.

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, 76.211, 130.322 Background



This preview shows how black text looks on a background with the CIELCh color 90, 76.211, 130.322.

This preview shows how white text looks on a background with the CIELCh color 90, 76.211, 130.322.

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, 76.211, 130.322

Protanopia
90, 62.963, 95.737

Deuteranopia
89, 26.577, 76.016

Tritanopia
90, 18.090, 231.876

Trichromacy

Original Color
90, 76.211, 130.322

Protanomaly
89, 64.368, 110.819

Deuteranomaly
89, 40.457, 111.910

Tritanomaly
90, 30.027, 155.144

Monochromacy

Original Color
90, 76.211, 130.322

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 29.074, 131.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 76.211, 130.322 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(163, 249, 109) looks like.

```
.text, #text, p{
    color:rgb(163, 249, 109)
}
```

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(163, 249, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 249, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 76.211, 130.322 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(163, 249, 109) }
```

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

```
.border{ border-color:rgb(163, 249, 109) }
```

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

Here you see how a box with a 4 pixel rgb(163, 249, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 249, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 249, 109); box-shadow:4px 4px 4px 4px rgb(163, 249, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 76.211, 130.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(163, 249, 109) }
```

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

```
.background{ background-color:rgb(163,
249, 109) }
```

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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