Converting Colors

CIELCh(90, 73.257, 150.191)

Have a look what the booklet for CIELCh(90, 73.257, 150.191) contains.

Color

CIELCh(90, 73.005, 150.297)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF9A
RGB	95, 255, 154
RGB Percent	37%, 100%, 60%
CMY	0.6273, 0.0000, 0.3960
CMYK	0.63, 0.00, 0.40, 0.00
HSL	142°, 100%, 69%
HSV	142°, 63%, 100%
XYZ	46.3244, 76.3034, 42.8680
YIQ	195.6460, -62.9390, -65.3310

Conversions

Conversions Part 2

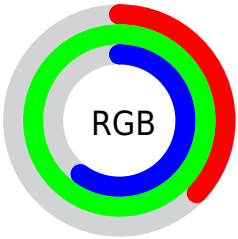
Format	Color
RYB	95, 212, 255
Decimal	6291354
CIELab	90.00, -63.41, 36.17
CIELCh	90, 73.005, 150.297
Yxy	76.3034, 0.2799, 0.4611
Android (android.graphics.Color)	4284481434 (0xFF5FFF9A)
YUV	195.6460, -20.5315, -88.2665
Hunter-Lab	87.3518, -58.2036, 32.0496

Details

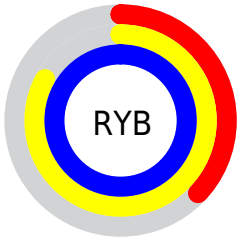
The CIELCh color 90, 73.005, 150.297 is a light color, and the websafe version is hex 66FF99. The color can be described as light muted spring green. A complement of this color would be 65, 73.501, 343.233, and the grayscale version is 79, 0.010, 296.813.

A 20% lighter version of the original color is 93, 40.395, 161.033, and 70, 72.140, 149.944 is the 20% darker color. If you saturate the color by 10%, you get 89, 82.279, 148.566, and if you desaturate by 10%, it is 91, 62.690, 151.830.

Distribution

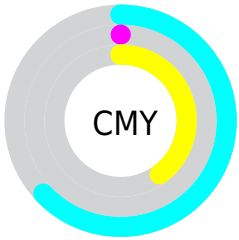


- Red (37%)
- Green (100%)
- Blue (60%)



- Red (37%)
- Yellow (83%)
- Blue (100%)

- Cyan (63%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (63%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 73.005, 150.297 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, 73.005, 150.297 by changing the saturation by 10% instead.

90, 73.005, 150.297

100, 73.005, 150.297

90, 73.005, 150.297

80, 73.005, 150.297

70, 73.005, 150.297

60, 73.005, 150.297

50, 73.005, 150.297

40, 73.005, 150.297

30, 73.005, 150.297

20, 73.005,

150.297

10, 73.005, 150.297

0, 73.005, 150.297

90, 73.005, 150.297

90, 73.005, 150.297

89, 82.279, 148.566

91, 62.690, 151.830

89, 90.408, 146.635

92, 51.574, 153.168

88, 97.317, 144.544

94, 39.870, 154.334

88, 101.648, 143.005

95, 27.799, 155.354

97, 15.560, 156.254

99, 3.319, 157.139

100, 0.012, 296.813

Harmonies

Complementary

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

90, 73.005, 150.297

65, 73.501, 343.233

Rectangle

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

90, 73.005, 150.297

90, 73.005, 200.297

90, 73.005, 330.297

90, 73.005, 20.297

Sweetspot

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

90, 72.991, 150.300

96, 23.240, 155.702

94, 79.823, 121.304

51, 15.992, 155.436

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, 72.991, 150.300

89, 84.227, 148.145

92, 46.592, 182.703

52, 6.940, 156.527

68, 81.143, 143.402

23, 34.899, 146.473

Inverse Universe

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

65, 73.501, 343.233

60, 82.493, 345.138

62, 65.731, 18.860

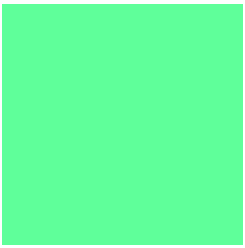
50, 6.989, 337.873

42, 71.417, 350.336

11, 33.676, 346.787

Previews

White Background

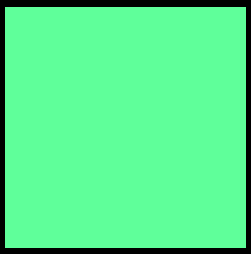


This preview shows how the CIELCh color 90, 73.005, 150.297 looks on a white background.

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, 73.005, 150.297 looks on a black background.

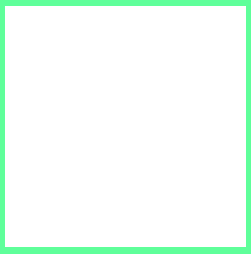
Color Contrast Check

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, 73.005, 150.297 Background

This preview shows how black text looks on a background with the CIELCh color 90, 73.005, 150.297.



This preview shows how white text looks on a background with the CIELCh color 90, 73.005, 150.297.

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

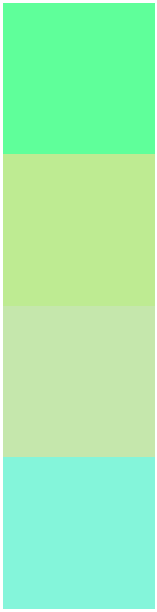
Original Color
90, 73.005, 150.297

Protanopia
89, 42.781, 95.666

Deuteranopia
89, 23.352, 70.416

Tritanopia
90, 27.128, 215.867

Trichromacy



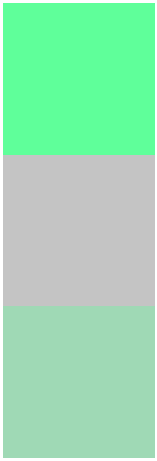
Original Color
90, 73.005, 150.297

Protanomaly
88, 48.567, 127.483

Deuteranomaly
88, 33.088, 130.535

Tritanomaly
90, 38.737, 175.556

Monochromacy



Original Color
90, 73.005, 150.297

Achromatopsia
79, 0.010, 296.813

Achromatomaly
82, 28.415, 155.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 73.005, 150.297 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(95, 255, 154) looks like.

```
.text, #text, p{
    color:rgb(95, 255, 154)
}
```

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(95, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 73.005, 150.297 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(95, 255, 154) }
```

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

```
.border{ border-color:rgb(95, 255, 154) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 255, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 255, 154); box-shadow:4px 4px 4px 4px rgb(95, 255, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 73.005, 150.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(95, 255, 154) }
```

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

```
.background{ background-color:rgb(95, 255,
154) }
```

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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