

Converting Colors

CIELCh(90, 76.391, 142.553)

Have a look what the booklet for
CIELCh(90, 76.391, 142.553)
contains.

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Color

CIELCh(90, 76.692, 142.524)

Conversions

Conversions Part 1

Format	Color
Hex	78FE85
RGB	120, 254, 133
RGB Percent	47%, 100%, 52%
CMY	0.5309, 0.0053, 0.4797
CMYK	0.53, 0.00, 0.48, 0.01
HSL	126°, 98%, 73%
HSV	126°, 53%, 99%
XYZ	47.2306, 76.3034, 34.3096
YIQ	200.1400, -41.0230, -66.0390

Conversions

Conversions Part 2

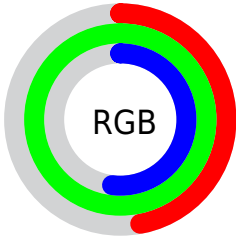
Format	Color
RYB	120, 242, 254
Decimal	7929477
CIELab	90.00, -60.86, 46.66
CIElCh	90, 76.692, 142.524
Yxy	76.3034, 0.2992, 0.4834
Android (android.graphics.Color)	4286119557 (0xFF78FE85)
YUV	200.1400, -33.1000, -70.2828
Hunter-Lab	87.3518, -56.3518, 37.8586

Details

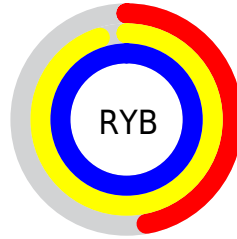
The CIELCh color **90, 76.692, 142.524** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **70, 76.030, 330.272**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 43.648, 145.326**, and **70, 76.759, 142.472** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.066, 141.227**, and if you desaturate by 10%, it is **91, 63.129, 143.699**.

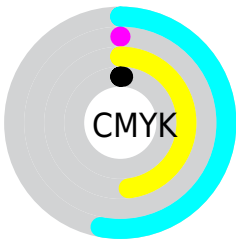
Distribution



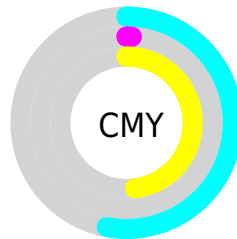
- Red (47%)
- Green (100%)
- Blue (52%)



- Red (47%)
- Yellow (95%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (48%)
- Black (1%)





- Cyan (53%)
- Magenta (1%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 76.692, 142.524 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, 76.692, 142.524 by changing the saturation by 10% instead.


 90, 76.692,
142.524


 90, 76.692,
142.524


 100, 76.692,
142.524


 80, 76.692,
142.524

 70, 76.692,
142.524

 60, 76.692,
142.524


 50, 76.692,
142.524

 40, 76.692,
142.524


 30, 76.692,
142.524


 20, 76.692,


142.524


 10, 76.692,
142.524


 0, 76.692, 142.524


 90, 76.692,
142.524


 90, 76.692,
142.524


 89, 89.066,
141.227


 91, 63.129,
143.699


 88, 99.801,
139.858

 93, 48.779,
144.732

 88, 108.440,
138.513

 95, 33.991,
145.625

 87, 114.577,
137.326

 97, 19.049,
146.395

■ 87, 117.370,
136.685

■ 99, 4.176, 147.108
100, 0.853,
324.109

Harmonies

Complementary

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



90, 76.692, 142.524



70, 76.030, 330.272

Rectangle

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



90, 76.692, 142.524



90, 76.692, 192.524



90, 76.692, 322.524



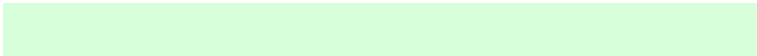
90, 76.692, 12.524

Sweetspot

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



90, 76.693, 142.524



96, 23.878, 146.163



96, 65.501, 109.115



51, 16.133, 146.007



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, 76.693, 142.524



89, 89.637, 141.203



91, 51.985, 162.481



52, 8.455, 146.629



68, 94.533, 136.853



22, 41.697, 138.674

Inverse Universe

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



70, 76.030, 330.272



66, 87.919, 330.823



68, 56.936, 355.030



50, 8.472, 327.722



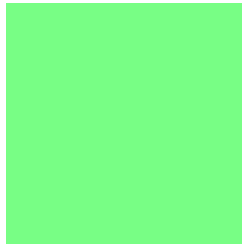
44, 86.221, 332.544



12, 40.032, 331.976

Previews

White Background



This preview shows how the CIE LCh color 90, 76.692, 142.524 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, 76.692, 142.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

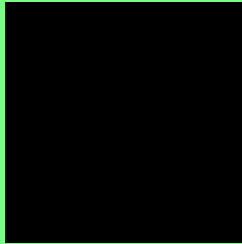
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 76.692, 142.524

Background



This preview shows how black text looks on a background with the CIELCh color 90, 76.692, 142.524.

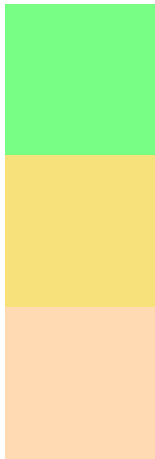


This preview shows how white text looks on a background with the CIELCh color 90, 76.692, 142.524.

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, 76.692, 142.524

Protanopia
89, 52.938, 95.867

Deuteranopia
89, 25.503, 73.630

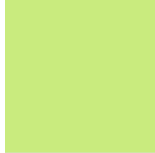


Tritanopia
90, 25.274, 218.631

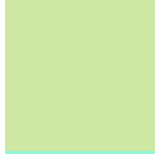
Trichromacy



Original Color
90, 76.692, 142.524



Protanomaly
89, 56.364, 119.643



Deuteranomaly
88, 36.703, 122.529

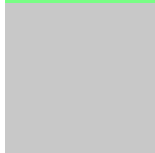


Tritanomaly
90, 37.134, 169.430

Monochromacy



Original Color
90, 76.692, 142.524



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 29.436, 145.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 76.692, 142.524 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(120, 254, 133)` looks like.

```
.text, #text, p{  
    color:rgb(120, 254, 133)  
}
```

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(120, 254, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 254, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 76.692, 142.524 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(120, 254, 133) }
```

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

```
.border{ border-color:rgb(120, 254, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 254, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 254, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 254, 133);  
box-shadow:4px 4px 4px 4px rgb(120, 254,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 76.692, 142.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 254, 133) }
```

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

```
.background{ background-color: rgb(120,  
254, 133) }
```

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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