

Converting Colors

CIELCh(90, 80.733, 144.955)

Have a look what the booklet for
CIELCh(90, 80.733, 144.955)
contains.

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Color

CIELCh(90, 80.454, 145.023)

Conversions

Conversions Part 1

Format	Color
Hex	64FF86
RGB	100, 255, 134
RGB Percent	39%, 100%, 53%
CMY	0.6091, 0.0000, 0.4763
CMYK	0.61, 0.00, 0.48, 0.00
HSL	133°, 100%, 70%
HSV	133°, 61%, 100%
XYZ	45.4435, 76.3034, 34.7208
YIQ	194.8610, -53.5390, -70.4910

Conversions

Conversions Part 2

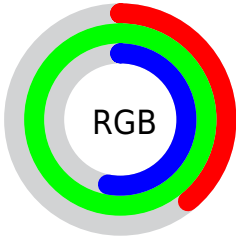
Format	Color
RYB	100, 227, 255
Decimal	6619014
CIELab	90.00, -65.92, 46.12
CIElCh	90, 80.454, 145.023
Yxy	76.3034, 0.2904, 0.4877
Android (android.graphics.Color)	4284809094 (0xFF64FF86)
YUV	194.8610, -30.0045, -83.1931
Hunter-Lab	87.3518, -60.0036, 37.5795

Details

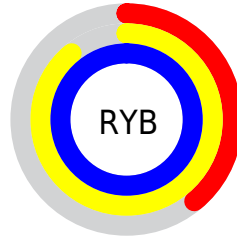
The CIELCh color **90, 80.454, 145.023** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 79.070, 335.505**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 46.886, 150.524**, and **70, 80.072, 145.000** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.767, 143.509**, and if you desaturate by 10%, it is **91, 68.328, 146.460**.

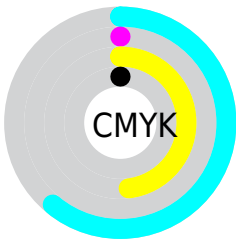
Distribution



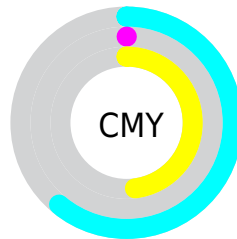
- Red (39%)
- Green (100%)
- Blue (53%)



- Red (39%)
- Yellow (89%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 80.454, 145.023 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, 80.454, 145.023 by changing the saturation by 10% instead.


 90, 80.454,
145.023


 90, 80.454,
145.023


 100, 80.454,
145.023


 80, 80.454,
145.023


 70, 80.454,
145.023

 60, 80.454,
145.023


 50, 80.454,
145.023

 40, 80.454,
145.023


 30, 80.454,
145.023


 20, 80.454,


145.023

 10, 80.454,
145.023


 0, 80.454, 145.023


 90, 80.454,
145.023


 90, 80.454,
145.023


 89, 90.767,
143.509


 91, 68.328,
146.460


 88, 99.904,
141.827

 92, 55.610,
147.682

 88, 107.327,
140.096

 94, 42.291,
148.743

 88, 112.509,
138.618

 96, 28.643,
149.659

■ 98, 14.893,
150.457

■ 100, 1.223,
151.418

■ 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, 80.454, 145.023



66, 79.070, 335.505

Rectangle

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



90, 80.454, 145.023



90, 80.454, 195.023



90, 80.454, 325.023



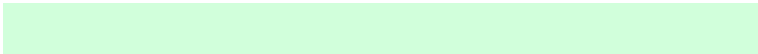
90, 80.454, 15.023

Sweetspot

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



90, 80.148, 145.066



96, 24.645, 149.902



95, 75.519, 114.873



51, 17.135, 149.659



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, 80.148, 145.066



89, 92.809, 143.166



91, 51.957, 170.116



52, 7.756, 150.562



68, 89.977, 138.918



23, 39.006, 141.466

Inverse Universe

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



66, 79.070, 335.505



62, 89.308, 336.559



64, 63.016, 6.711



50, 7.782, 331.744



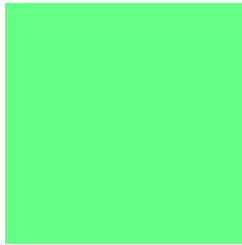
43, 78.628, 339.308



11, 36.881, 337.690

Previews

White Background



This preview shows how the CIE LCh color 90, 80.454, 145.023 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, 80.454, 145.023 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, 80.454, 145.023

Background



This preview shows how black text looks on a background with the CIELCh color 90, 80.454, 145.023.

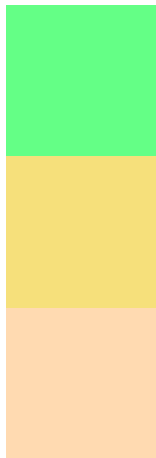


This preview shows how white text looks on a background with the CIELCh color 90, 80.454, 145.023.

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, 79.930, 145.127

Protanopia
89, 52.035, 95.759

Deuteranopia
89, 25.942, 74.203

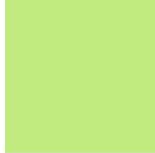


Tritanopia
89, 26.975, 217.185

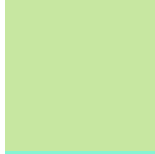
Trichromacy



Original Color
90, 79.930, 145.127



Protanomaly
88, 56.809, 122.759



Deuteranomaly
88, 38.020, 126.099

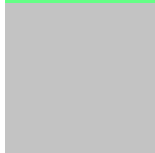


Tritanomaly
89, 39.724, 171.149

Monochromacy



Original Color
90, 79.930, 145.127



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 31.334, 149.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 80.454, 145.023 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(100, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 134)  
}
```

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(100, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 80.454, 145.023 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(100, 255, 134) }
```

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

```
.border{ border-color:rgb(100, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 80.454, 145.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 134) }
```

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

```
.background{ background-color: rgb(100,  
255, 134) }
```

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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