

Converting Colors

CIELCh(89, 64.885, 124.034)

Have a look what the booklet for
CIELCh(89, 64.885, 124.034)
contains.

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Color

CIELCh(89, 65.046, 124.011)

Conversions

Conversions Part 1

Format	Color
Hex	BBF074
RGB	187, 240, 116
RGB Percent	73%, 94%, 45%
CMY	0.2666, 0.0587, 0.5450
CMYK	0.22, 0.00, 0.52, 0.06
HSL	86°, 81%, 70%
HSV	86°, 52%, 94%
XYZ	54.8205, 74.1641, 27.9557
YIQ	210.0170, 8.2160, -49.8000

Conversions

Conversions Part 2

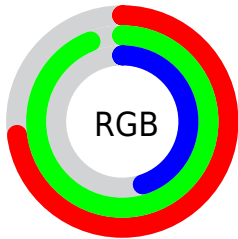
Format	Color
RYB	116, 240, 169
Decimal	12316788
CIELab	89.00, -36.38, 53.92
CIELCh	89, 65.046, 124.011
Yxy	74.1641, 0.3493, 0.4726
Android (android.graphics.Color)	4290506868 (0xFFBBF074)
YUV	210.0170, -46.3504, -20.1859
Hunter-Lab	86.1186, -37.0799, 41.0364

Details

The CIELCh color **89, 65.046, 124.011** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59, 71.335, 309.522**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.248, 112.229**, and **69, 65.079, 124.076** is the 20% darker color. If you saturate the color by 10%, you get **88, 76.113, 123.722**, and if you desaturate by 10%, it is **90, 53.119, 124.436**.

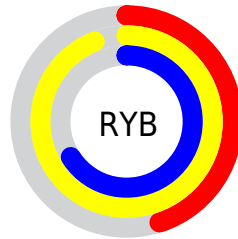
Distribution



Red (73%)

Green (94%)

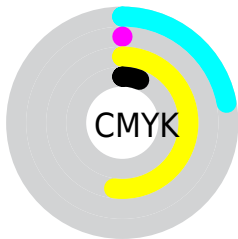
Blue (45%)



Red (45%)

Yellow (94%)

Blue (66%)

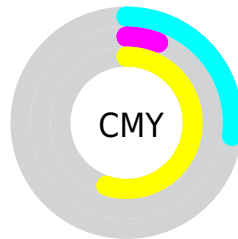


Cyan (22%)

Magenta (0%)

Yellow (52%)

Black (6%)



Cyan (27%)

Magenta (6%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 65.046, 124.011 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 89, 65.046, 124.011 by changing the saturation by 10% instead.

■ 89, 65.046,
124.011

■ 89, 65.046,
124.011

■ 100, 65.046,
124.011

■ 79, 65.046,
124.011

■ 69, 65.046,
124.011

■ 59, 65.046,
124.011

■ 49, 65.046,
124.011

■ 39, 65.046,
124.011


■ 29, 65.046,
124.011


■ 19, 65.046,


124.011


 9, 65.046, 124.011

 0, 65.046, 124.011


 89, 65.046,
124.011


 89, 65.046,
124.011

 88, 76.113,
123.722


 90, 53.119,
124.436


 87, 85.846,
123.664


 91, 40.667,
124.924

 87, 93.680,
123.963

 92, 27.921,
125.435

 86, 99.128,
124.735

 93, 15.040,
125.942

 86, 101.988,

 95, 2.131, 126.468

125.710

 96, 8.277, 311.754

 96, 9.332, 324.733

Harmonies

Complementary

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



89, 65.046, 124.011



59, 71.335, 309.522

Rectangle

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



89, 65.046, 124.011



89, 65.046, 174.011



89, 65.046, 304.011



89, 65.046, 354.011

Sweetspot

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



89, 65.047, 124.012



98, 20.320, 125.772



75, 42.774, 60.545



52, 13.862, 125.665



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 65.047, 124.012



93, 80.270, 123.712



86, 74.873, 138.457



50, 7.318, 126.051



67, 83.221, 125.431



21, 34.385, 124.344

Inverse Universe

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



59, 71.335, 309.522



56, 90.026, 310.152



66, 75.077, 324.590



46, 7.434, 306.951



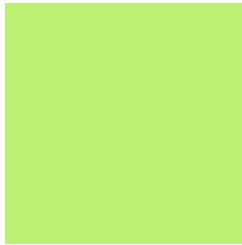
27, 99.007, 310.380



4, 39.335, 309.780

Previews

White Background



This preview shows how the CIELCh color 89, 65.046, 124.011 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 89, 65.046, 124.011 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 89, 65.046, 124.011

Background



This preview shows how black text looks on a background with the CIELCh color 89, 65.046, 124.011.

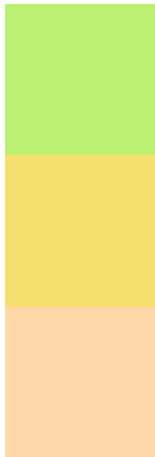


This preview shows how white text looks on a background with the CIELCh color 89, 65.046, 124.011.

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
89, 65.046, 124.011

Protanopia
89, 57.667, 95.742

Deuteranopia
89, 29.127, 75.864

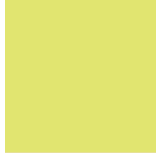


Tritanopia
89, 11.794, 252.023

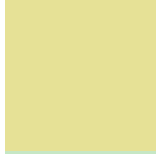
Trichromacy



Original Color
89, 65.046, 124.011



Protanomaly
89, 58.410, 106.950



Deuteranomaly
88, 38.488, 103.968

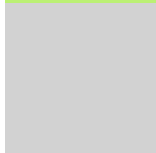


Tritanomaly
89, 21.464, 142.796

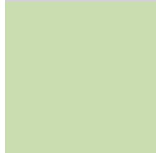
Monochromacy



Original Color
89, 65.046, 124.011



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 24.522, 125.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 65.046, 124.011 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(187, 240, 116)` looks like.

```
.text, #text, p{  
    color:rgb(187, 240, 116)  
}
```

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(187, 240, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 240, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 65.046, 124.011 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(187, 240, 116) }
```

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

```
.border{ border-color:rgb(187, 240, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 240, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 240, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 240, 116); box-shadow:4px 4px 4px 4px rgb(187, 240, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 65.046, 124.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 240, 116) }
```

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

```
.background{ background-color: rgb(187,  
240, 116) }
```

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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