

Converting Colors

CIELCh(89, 76.901, 115.360)

Have a look what the booklet for
CIELCh(89, 76.901, 115.360)
contains.

CIELCh(89, 76.864, 115.514)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 76.864, 115.514)

Conversions

Conversions Part 1

Format	Color
Hex	C9EE50
RGB	201, 238, 80
RGB Percent	79%, 93%, 31%
CMY	0.2117, 0.0665, 0.6862
CMYK	0.16, 0.00, 0.66, 0.07
HSL	74°, 82%, 62%
HSV	74°, 66%, 93%
XYZ	56.1251, 74.1641, 18.9512
YIQ	208.9250, 28.6660, -56.9820

Conversions

Conversions Part 2

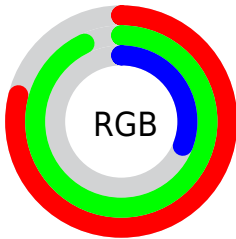
Format	Color
RYB	80, 238, 117
Decimal	13233744
CIELab	89.00, -33.11, 69.37
CIElCh	89, 76.864, 115.514
Yxy	74.1641, 0.3761, 0.4969
Android (android.graphics.Color)	4291423824 (0xFFC9EE50)
YUV	208.9250, -63.5600, -6.9502
Hunter-Lab	86.1186, -34.3757, 47.2357

Details

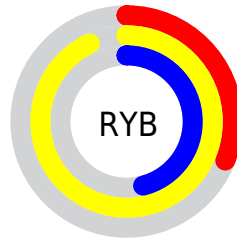
The CIELCh color **89, 76.864, 115.514** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **47, 91.644, 305.614**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **69, 76.908, 115.608** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.032, 115.436**, and if you desaturate by 10%, it is **90, 67.065, 115.852**.

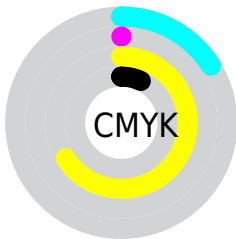
Distribution



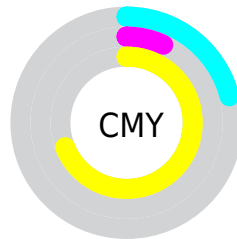
- Red (79%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (46%)



- Cyan (16%)
- Magenta (0%)
- Yellow (66%)
- Black (7%)




- Cyan (21%)
- Magenta (7%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 76.864, 115.514 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, 76.864, 115.514 by changing the saturation by 10% instead.


 89, 76.864,
115.514


 89, 76.864,
115.514


 100, 76.864,
115.514


 79, 76.864,
115.514

 69, 76.864,
115.514

 59, 76.864,
115.514

 49, 76.864,
115.514

 39, 76.864,
115.514


 29, 76.864,
115.514


 19, 76.864,


115.514


 9, 76.864, 115.514


 0, 76.864, 115.514


 89, 76.864,
115.514

 89, 76.864,
115.514

 89, 85.032,
115.436


 90, 67.065,
115.852


 88, 91.001,
115.714

 90, 56.166,
116.352

 88, 94.450,
116.424

 91, 44.568,
116.948

 88, 95.311,
116.745


 92, 32.548,
117.592

 93, 20.287,

118.250

 93, 7.908, 118.904

 94, 4.508, 299.526

 95, 9.151, 307.514

 96, 9.897, 318.354

Harmonies

Complementary

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



89, 76.864, 115.514



47, 91.644, 305.614

Rectangle

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



89, 76.864, 115.514



89, 76.864, 165.514



89, 76.864, 295.514



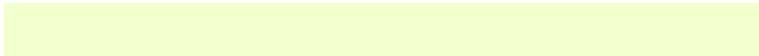
89, 76.864, 345.514

Sweetspot

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



89, 76.865, 115.516



98, 26.167, 118.007



63, 60.651, 43.523



52, 17.833, 117.821



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, 76.865, 115.516



94, 92.351, 115.497



85, 87.732, 133.285



50, 7.085, 118.702



69, 78.374, 116.542



21, 32.717, 115.781

Inverse Universe

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



47, 91.644, 305.614



42, 115.485, 306.943



56, 90.789, 319.249



46, 7.230, 299.943



24, 102.509, 307.576



3, 38.517, 304.232

Previews

White Background



This preview shows how the CIELCh color 89, 76.864, 115.514 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, 76.864, 115.514 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, 76.864, 115.514

Background



This preview shows how black text looks on a background with the CIELCh color 89, 76.864, 115.514.



This preview shows how white text looks on a background with the CIELCh color 89, 76.864, 115.514.

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, 76.864, 115.514

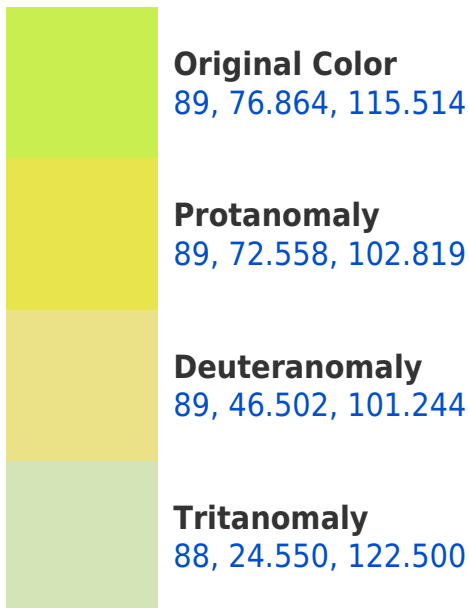
Protanopia
89, 72.021, 95.296

Deuteranopia
89, 31.153, 78.656



Tritanopia
89, 8.996, 279.861

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 76.864, 115.514 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(201, 238, 80)` looks like.

```
.text, #text, p{  
    color:rgb(201, 238, 80)  
}
```

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(201, 238, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 238, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 76.864, 115.514 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(201, 238, 80) }
```

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

```
.border{ border-color:rgb(201, 238, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 238, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 238, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 238, 80);  
box-shadow:4px 4px 4px 4px rgb(201, 238,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 76.864, 115.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 238, 80) }
```

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

```
.background{ background-color: rgb(201,  
238, 80) }
```

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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