

Converting Colors

CIELCh(80, 78.085, 133.555)

Have a look what the booklet for
CIELCh(80, 78.085, 133.555)
contains.

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Color

CIELCh(80, 78.174, 133.594)

Conversions

Conversions Part 1

Format	Color
Hex	79DE55
RGB	121, 222, 85
RGB Percent	47%, 87%, 33%
CMY	0.5273, 0.1312, 0.6683
CMYK	0.46, 0.00, 0.62, 0.13
HSL	104°, 67%, 60%
HSV	104°, 62%, 87%
XYZ	35.4432, 56.6813, 17.5775
YIQ	176.1830, -16.2190, -64.0190

Conversions

Conversions Part 2

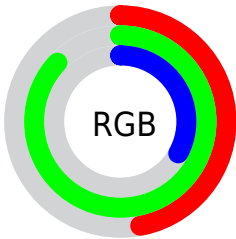
Format	Color
RYB	85, 222, 186
Decimal	7986773
CIELab	80.00, -53.90, 56.62
CIELCh	80, 78.174, 133.594
Yxy	56.6813, 0.3231, 0.5167
Android (android.graphics.Color)	4286176853 (0xFF79DE55)
YUV	176.1830, -44.9532, -48.3955
Hunter-Lab	75.2870, -47.7189, 38.8583

Details

The CIELCh color **80, 78.174, 133.594** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **54, 80.783, 319.302**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 64.597, 132.069**, and **60, 78.238, 133.638** is the 20% darker color. If you saturate the color by 10%, you get **79, 88.177, 133.219**, and if you desaturate by 10%, it is **81, 66.798, 134.128**.

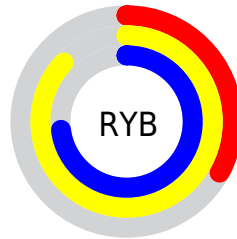
Distribution



Red (47%)

Green (87%)

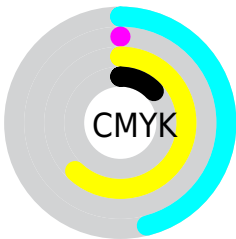
Blue (33%)



Red (33%)

Yellow (87%)

Blue (73%)

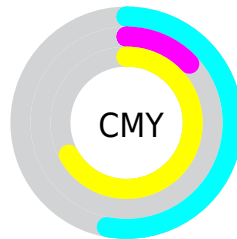


Cyan (46%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (53%)


Magenta (13%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 78.174, 133.594 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 80, 78.174, 133.594 by changing the saturation by 10% instead.


 80, 78.174,
133.594


 80, 78.174,
133.594


 100, 78.174,
133.594


 70, 78.174,
133.594

 60, 78.174,
133.594

 50, 78.174,
133.594

 40, 78.174,
133.594

 30, 78.174,
133.594

 20, 78.174,
133.594

 10, 78.174,

133.594

■ 0, 78.174, 133.594

■ 80, 78.174,
133.594

■ 80, 78.174,
133.594

■ 79, 88.177,
133.219

■ 81, 66.798,
134.128

■ 79, 96.239,
133.126

■ 82, 54.524,
134.723

■ 78, 101.862,
133.436

■ 83, 41.715,
135.317

■ 78, 104.762,
133.925

■ 85, 28.635,
135.878

■ 86, 15.474,
136.392

■ 88, 2.369, 136.918

■ 90, 10.582,
317.208

■ 92, 20.245,
321.986

■ 92, 20.935,
325.153

Harmonies

Complementary

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



80, 78.174, 133.594



54, 80.783, 319.302

Rectangle

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



80, 78.174, 133.594



80, 78.174, 183.594



80, 78.174, 313.594



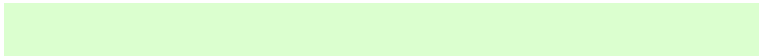
80, 78.174, 3.594

Sweetspot

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



80, 78.175, 133.595



96, 27.928, 136.020



77, 54.678, 88.090



51, 19.229, 135.867



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 78.175, 133.595



90, 100.773, 133.159



79, 71.692, 145.504



45, 7.358, 136.509



62, 87.041, 133.735



16, 31.465, 135.170

Inverse Universe

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



54, 80.783, 319.302



56, 104.106, 319.405



58, 70.770, 336.223



43, 7.411, 317.291



33, 89.063, 318.614



5, 33.100, 318.769

Previews

White Background



This preview shows how the CIELCh color 80, 78.174, 133.594 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 80, 78.174, 133.594 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 80, 78.174, 133.594

Background



This preview shows how black text looks on a background with the CIELCh color 80, 78.174, 133.594.

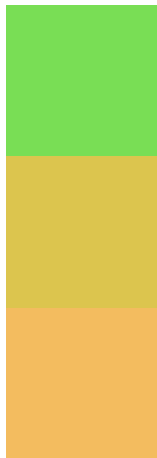


This preview shows how white text looks on a background with the CIELCh color 80, 78.174, 133.594.

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
80, 78.174, 133.594

Protanopia
79, 60.873, 95.153

Deuteranopia
80, 54.635, 79.539



Tritanopia
80, 21.516, 221.647

Trichromacy



Original Color
80, 78.174, 133.594



Protanomaly
79, 63.469, 112.957



Deuteranomaly
79, 55.474, 105.961



Tritanomaly
80, 34.713, 159.167

Monochromacy



Original Color
80, 78.174, 133.594



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 30.411, 135.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 78.174, 133.594 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(121, 222, 85)` looks like.

```
.text, #text, p{  
    color:rgb(121, 222, 85)  
}
```

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(121, 222, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 222, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 78.174, 133.594 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(121, 222, 85) }
```

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

```
.border{ border-color:rgb(121, 222, 85) }
```

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

Here you see how a box with a 4 pixel rgb(121, 222, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 222, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 222, 85);  
box-shadow:4px 4px 4px 4px rgb(121, 222,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 78.174, 133.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 222, 85) }
```

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

```
.background{ background-color: rgb(121,  
222, 85) }
```

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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