

Converting Colors

CIELCh(78, 79.743, 129.087)

Have a look what the booklet for
CIELCh(78, 79.743, 129.087)
contains.

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Color

CIELCh(78, 79.675, 128.987)

Conversions

Conversions Part 1

Format	Color
Hex	80D642
RGB	128, 214, 66
RGB Percent	50%, 84%, 26%
CMY	0.4971, 0.1599, 0.7403
CMYK	0.40, 0.00, 0.69, 0.16
HSL	95°, 64%, 55%
HSV	95°, 69%, 84%
XYZ	34.0314, 53.2120, 13.6670
YIQ	171.4140, -3.7480, -64.2600

Conversions

Conversions Part 2

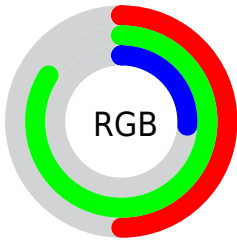
Format	Color
RYB	66, 214, 152
Decimal	8443458
CIELab	78.00, -50.13, 61.93
CIELCh	78, 79.675, 128.987
Yxy	53.2120, 0.3372, 0.5273
Android (android.graphics.Color)	4286633538 (0xFF80D642)
YUV	171.4140, -51.9691, -38.0741
Hunter-Lab	72.9466, -44.3817, 39.9542

Details

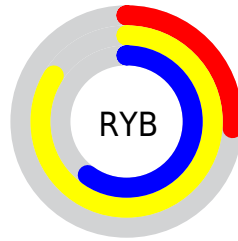
The CIELCh color **78, 79.675, 128.987** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **46, 86.227, 314.707**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 70.595, 127.319**, and **58, 78.083, 129.879** is the 20% darker color. If you saturate the color by 10%, you get **77, 87.879, 129.080**, and if you desaturate by 10%, it is **79, 69.881, 129.192**.

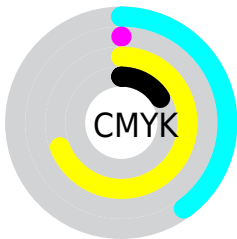
Distribution



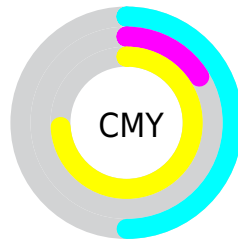
- Red (50%)
- Green (84%)
- Blue (26%)



- Red (26%)
- Yellow (84%)
- Blue (60%)



- Cyan (40%)
- Magenta (0%)
- Yellow (69%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 79.675, 128.987 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 78, 79.675, 128.987 by changing the saturation by 10% instead.

 78, 79.675,
128.987

 78, 79.675,
128.987


 100, 79.675,
128.987


 68, 79.675,
128.987


 98, 79.675,
128.987

 58, 79.675,
128.987

 48, 79.675,
128.987

 38, 79.675,
128.987

 28, 79.675,
128.987

 18, 79.675,
128.987

 8, 79.675, 128.987

■ 0, 79.675, 128.987

■ 78, 79.675,
128.987

■ 78, 79.675,
128.987

■ 77, 87.879,
129.080

■ 79, 69.881,
129.192

■ 77, 93.990,
129.594

■ 80, 59.000,
129.571

■ 76, 97.926,
130.540

■ 81, 47.432,
130.036

■ 76, 98.244,
130.625

■ 82, 35.462,
130.529

■ 83, 23.292,
131.016

■ 84, 11.064,
131.480

■ 86, 1.123, 311.752

■ 87, 13.199,
312.257

■ 89, 23.173,
314.437

Harmonies

Complementary

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



78, 79.675, 128.987



46, 86.227, 314.707

Rectangle

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



78, 79.675, 128.987



78, 79.675, 178.987



78, 79.675, 308.987



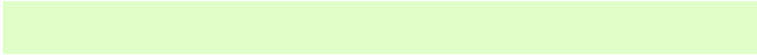
78, 79.675, 358.987

Sweetspot

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



78, 79.676, 128.988



97, 29.524, 130.914



67, 54.781, 72.766



51, 19.980, 130.779



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 79.676, 128.988



90, 103.855, 129.264



76, 85.464, 139.702



44, 6.913, 131.465



62, 82.779, 130.384



15, 28.490, 131.681

Inverse Universe

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



46, 86.227, 314.707



48, 113.568, 314.655



55, 83.359, 329.981



42, 6.992, 312.235



28, 90.794, 313.962



3, 29.595, 311.755

Previews

White Background



This preview shows how the CIELCh color 78, 79.675, 128.987 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 78, 79.675, 128.987 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 78, 79.675, 128.987

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.675, 128.987.



This preview shows how white text looks on a background with the CIELCh color 78, 79.675, 128.987.

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

78, 79.675, 128.987

Protanopia

78, 65.991, 95.195

Deuteranopia

77, 60.205, 80.553



Tritanopia
78, 17.948, 227.113

Trichromacy



Original Color
78, 79.675, 128.987



Protanomaly
77, 67.826, 110.188



Deuteranomaly
77, 60.793, 102.839

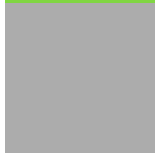


Tritanomaly
77, 32.436, 152.091

Monochromacy



Original Color
78, 79.675, 128.987



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 30.982, 130.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.675, 128.987 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(128, 214, 66)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 66)  
}
```

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(128, 214, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.675, 128.987 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(128, 214, 66) }
```

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

```
.border{ border-color:rgb(128, 214, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 214, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 66);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.675, 128.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 66) }
```

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

```
.background{ background-color: rgb(128,  
214, 66) }
```

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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