

Converting Colors

CIELCh(87, 79.831, 104.090)

Have a look what the booklet for
CIELCh(87, 79.831, 104.090)
contains.

CIELCh(87, 79.683, 104.135)	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(87, 79.683, 104.135)

Conversions

Conversions Part 1

Format	Color
Hex	DFE134
RGB	223, 225, 52
RGB Percent	87%, 88%, 20%
CMY	0.1242, 0.1164, 0.7946
CMYK	0.01, 0.00, 0.77, 0.12
HSL	61°, 74%, 54%
HSV	61°, 77%, 88%
XYZ	58.1676, 70.0064, 13.7397
YIQ	204.6800, 54.3410, -54.2270

Conversions

Conversions Part 2

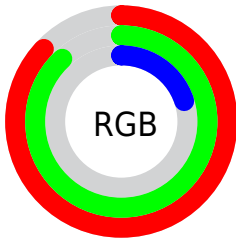
Format	Color
RYB	52, 225, 54
Decimal	14672180
CIELab	87.00, -19.46, 77.27
CIELCh	87, 79.683, 104.135
Yxy	70.0064, 0.4099, 0.4933
Android (android.graphics.Color)	4292862260 (0xFFDFE134)
YUV	204.6800, -75.2712, 16.0666
Hunter-Lab	83.6698, -22.3283, 48.8327

Details

The CIELCh color **87, 79.683, 104.135** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **35, 102.716, 303.435**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **67, 71.595, 105.021** is the 20% darker color. If you saturate the color by 10%, you get **87, 84.905, 103.764**, and if you desaturate by 10%, it is **87, 72.286, 104.704**.

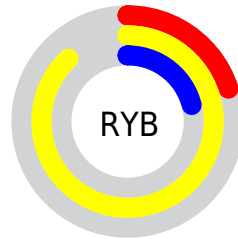
Distribution



Red (87%)

Green (88%)

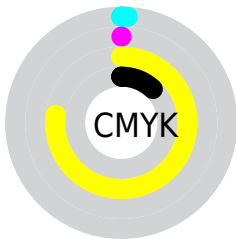
Blue (20%)



Red (20%)

Yellow (88%)

Blue (21%)

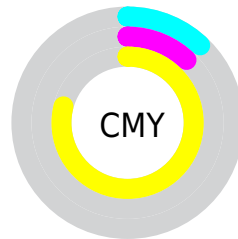


Cyan (1%)

Magenta (0%)

Yellow (77%)

Black (12%)



Cyan (12%)


Magenta (12%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 79.683, 104.135 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 87, 79.683, 104.135 by changing the saturation by 10% instead.


 87, 79.683,
104.135


 87, 79.683,
104.135


 100, 79.683,
104.135


 77, 79.683,
104.135

 67, 79.683,
104.135

 57, 79.683,
104.135

 47, 79.683,
104.135

 37, 79.683,
104.135

 27, 79.683,
104.135

 17, 79.683,

104.135

■ 7, 79.683, 104.135

■ 0, 79.683, 104.135

■ 87, 79.683,
104.135

■ 87, 79.683,
104.135

■ 87, 84.905,
103.764

■ 87, 72.286,
104.704

■ 87, 87.671,
103.601

■ 87, 63.259,
105.422

■ 87, 88.270,
103.574

■ 88, 53.128,
106.249

■ 88, 42.294,
107.147

■ 88, 31.032,

108.084

■ 89, 19.524,
109.038

■ 89, 7.885, 109.986

■ 90, 3.812, 290.951

■ 90, 15.433,
291.847

Harmonies

Complementary

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



87, 79.683, 104.135



35, 102.716, 303.435

Rectangle

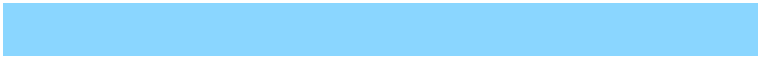
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 79.683, 104.135



87, 79.683, 154.135



87, 79.683, 284.135



87, 79.683, 334.135

Sweetspot

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



87, 79.683, 104.137



99, 29.557, 108.426



50, 77.499, 32.898



53, 20.416, 108.080



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 79.683, 104.137



97, 95.332, 103.644



82, 87.527, 126.401



47, 6.607, 109.733



69, 73.377, 103.562



19, 27.930, 104.533

Inverse Universe

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



35, 102.716, 303.435



34, 129.835, 305.780



43, 98.316, 312.561



43, 6.755, 291.592



21, 101.245, 306.323



2, 31.650, 296.109

Previews

White Background



This preview shows how the CIELCh color 87, 79.683, 104.135 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 87, 79.683, 104.135 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 87, 79.683, 104.135

Background



This preview shows how black text looks on a background with the CIELCh color 87, 79.683, 104.135.



This preview shows how white text looks on a background with the CIELCh color 87, 79.683, 104.135.

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
87, 79.683, 104.135

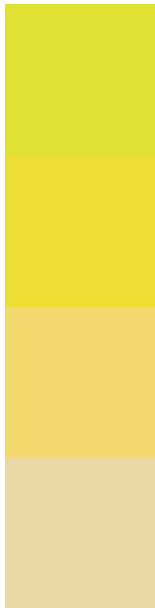
Protanopia
87, 78.554, 94.979

Deuteranopia
87, 39.985, 80.146



Tritanopia
87, 13.142, 340.892

Trichromacy



Original Color
87, 79.683, 104.135

Protanomaly
87, 78.647, 98.516

Deuteranomaly
87, 55.053, 93.591

Tritanomaly
87, 28.370, 94.042

Monochromacy



Original Color
87, 79.683, 104.135

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 32.234, 107.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 79.683, 104.135 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(223, 225, 52)` looks like.

```
.text, #text, p{  
    color:rgb(223, 225, 52)  
}
```

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(223, 225, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 225, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 79.683, 104.135 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(223, 225, 52) }
```

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

```
.border{ border-color:rgb(223, 225, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 225, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 225, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 225, 52);  
box-shadow:4px 4px 4px 4px rgb(223, 225,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 79.683, 104.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 225, 52) }
```

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

```
.background{ background-color: rgb(223,  
225, 52) }
```

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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