

Converting Colors

CIELCh(87, 66.176, 107.057)

Have a look what the booklet for
CIELCh(87, 66.176, 107.057)
contains.

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Color

CIELCh(87, 66.311, 107.163)

Conversions

Conversions Part 1

Format	Color
Hex	DBE25B
RGB	219, 226, 91
RGB Percent	86%, 89%, 36%
CMY	0.1423, 0.1148, 0.6442
CMYK	0.03, 0.00, 0.60, 0.11
HSL	63°, 70%, 62%
HSV	63°, 60%, 89%
XYZ	58.1229, 70.0064, 20.2856
YIQ	208.5170, 39.1630, -43.4690

Conversions

Conversions Part 2

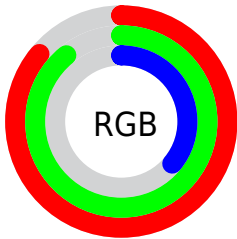
Format	Color
R_{YB}	91, 226, 98
Decimal	14410331
CIE _{Lab}	87.00, -19.57, 63.36
CIE _{LCh}	87, 66.311, 107.163
Yxy	70.0064, 0.3916, 0.4717
Android (android.graphics.Color)	4292600411 (0xFFDBE25B)
YUV	208.5170, -57.9359, 9.1936
Hunter-Lab	83.6698, -22.4235, 44.1941

Details

The CIELCh color **87, 66.311, 107.163** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **46, 79.143, 300.671**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **67, 66.255, 107.280** is the 20% darker color. If you saturate the color by 10%, you get **87, 74.932, 106.575**, and if you desaturate by 10%, it is **87, 56.442, 107.892**.

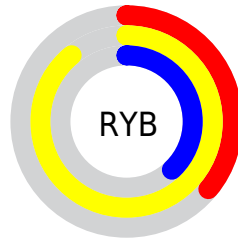
Distribution



Red (86%)

Green (89%)

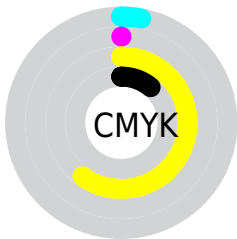
Blue (36%)



Red (36%)

Yellow (89%)

Blue (38%)

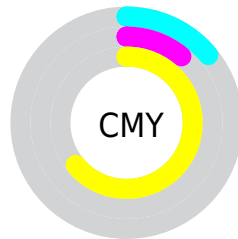


Cyan (3%)

Magenta (0%)

Yellow (60%)

Black (11%)



Cyan (14%)


Magenta (11%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 66.311, 107.163 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, 66.311, 107.163 by changing the saturation by 10% instead.


 87, 66.311,
107.163


 87, 66.311,
107.163


 100, 66.311,
107.163


 77, 66.311,
107.163

 67, 66.311,
107.163

 57, 66.311,
107.163


 47, 66.311,
107.163


 37, 66.311,
107.163


 27, 66.311,
107.163


 17, 66.311,


107.163


 7, 66.311, 107.163


 0, 66.311, 107.163

 87, 66.311,
107.163


 87, 66.311,
107.163


 87, 74.932,
106.575


 87, 56.442,
107.892

 87, 81.753,
106.176

 88, 45.763,
108.708

 86, 86.269,
106.019

 88, 34.585,
109.575

 86, 88.531,
106.098

 89, 23.111,
110.465

 86, 88.568,

 89, 11.473,

106.100

111.356

■ 90, 0.241, 292.444

■ 90, 11.975,
293.103

■ 91, 15.243,
294.415

■ 91, 15.274,
295.907

Harmonies

Complementary

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



87, 66.311, 107.163



46, 79.143, 300.671

Rectangle

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



87, 66.311, 107.163



87, 66.311, 157.163



87, 66.311, 287.163



87, 66.311, 337.163

Sweetspot

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



87, 66.312, 107.165



99, 23.205, 110.615



58, 57.333, 30.280



53, 16.105, 110.353



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, 66.312, 107.165



97, 84.392, 106.447



83, 73.000, 128.148



47, 6.614, 111.388



69, 73.519, 106.048



19, 27.951, 106.807

Inverse Universe

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



46, 79.143, 300.671



44, 106.385, 303.123



53, 78.902, 313.559



43, 6.762, 293.117



21, 101.035, 306.450



2, 31.710, 297.092

Previews

White Background



This preview shows how the CIELCh color 87, 66.311, 107.163 looks on a white background.

Color Contrast Check

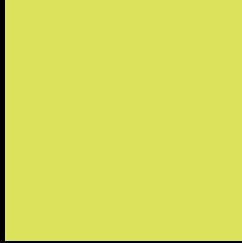
Large Text (above 18pt) WCAG AA × Fail

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, 66.311, 107.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

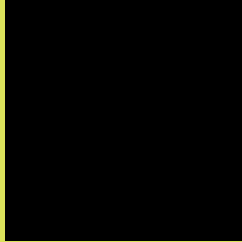
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 66.311, 107.163

Background



This preview shows how black text looks on a background with the CIELCh color 87, 66.311, 107.163.



This preview shows how white text looks on a background with the CIELCh color 87, 66.311, 107.163.

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, 66.311, 107.163

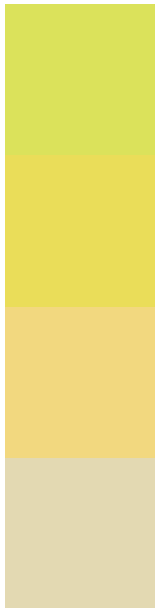
Protanopia
87, 65.223, 95.614

Deuteranopia
87, 37.928, 78.189



Tritanopia
87, 11.064, 331.035

Trichromacy



Original Color
87, 66.311, 107.163

Protanomaly
87, 65.350, 99.797

Deuteranomaly
87, 46.992, 92.941

Tritanomaly
87, 20.660, 97.641

Monochromacy



Original Color
87, 66.311, 107.163

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 25.543, 109.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 66.311, 107.163 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(219, 226, 91)` looks like.

```
.text, #text, p{  
    color:rgb(219, 226, 91)  
}
```

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(219, 226, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 226, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 66.311, 107.163 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(219, 226, 91) }
```

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

```
.border{ border-color:rgb(219, 226, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 226, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 226, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 226, 91);  
box-shadow:4px 4px 4px 4px rgb(219, 226,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 66.311, 107.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 226, 91) }
```

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

```
.background{ background-color: rgb(219,  
226, 91) }
```

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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