

Converting Colors

CIELCh(87, 85.394, 105.967)

Have a look what the booklet for
CIELCh(87, 85.394, 105.967)
contains.

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Color

CIELCh(87, 85.356, 105.990)

Conversions

Conversions Part 1

Format	Color
Hex	D9E320
RGB	217, 227, 32
RGB Percent	85%, 89%, 13%
CMY	0.1478, 0.1086, 0.8763
CMYK	0.04, 0.00, 0.86, 0.11
HSL	63°, 78%, 51%
HSV	63°, 86%, 89%
XYZ	56.5170, 70.0064, 11.8666
YIQ	201.7800, 56.6350, -62.7650

Conversions

Conversions Part 2

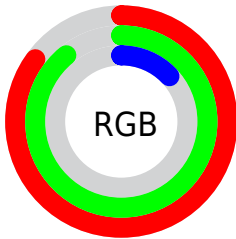
Format	Color
R _Y B	32, 227, 42
Decimal	14279456
CIE Lab	87.00, -23.51, 82.05
CIE LCh	87, 85.356, 105.990
Yxy	70.0064, 0.4084, 0.5059
Android (android.graphics.Color)	4292469536 (0xFFD9E320)
YUV	201.7800, -83.7015, 13.3479
Hunter-Lab	83.6698, -25.8496, 50.1600

Details

The CIELCh color **87, 85.356, 105.990** 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 **32, 113.667, 305.300**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 74.053, 104.520**, and **67, 72.489, 107.820** is the 20% darker color. If you saturate the color by 10%, you get **87, 88.305, 105.997**, and if you desaturate by 10%, it is **87, 79.926, 106.245**.

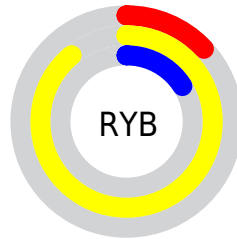
Distribution



Red (85%)

Green (89%)

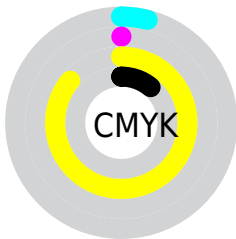
Blue (13%)



Red (13%)

Yellow (89%)

Blue (16%)

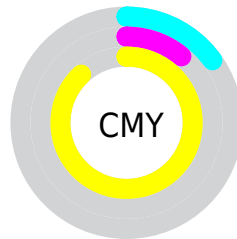


Cyan (4%)

Magenta (0%)

Yellow (86%)

Black (11%)



Cyan (15%)


Magenta (11%)


Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 85.356, 105.990 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, 85.356, 105.990 by changing the saturation by 10% instead.


 87, 85.356,
105.990

 87, 85.356,
105.990


 100, 85.356,
105.990

 77, 85.356,
105.990

 67, 85.356,
105.990

 57, 85.356,
105.990

 47, 85.356,
105.990

 37, 85.356,
105.990


 27, 85.356,
105.990


 17, 85.356,

105.990

 7, 85.356, 105.990


 0, 85.356, 105.990

 87, 85.356,
105.990


 87, 85.356,
105.990


 87, 88.305,
105.997

 87, 79.926,
106.245

 87, 89.029,
106.041

 87, 72.340,
106.723

 88, 63.153,
107.371

 88, 52.886,
108.137

 88, 41.933,

108.977

■ 89, 30.563,
109.857

■ 89, 18.951,
110.752

■ 90, 7.212, 111.640

■ 91, 4.582, 292.533

Harmonies

Complementary

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



87, 85.356, 105.990



32, 113.667, 305.300

Rectangle

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



87, 85.356, 105.990



87, 85.356, 155.990



87, 85.356, 285.990



87, 85.356, 335.990

Sweetspot

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



87, 85.356, 105.992



98, 33.386, 109.854



50, 85.687, 37.427



52, 22.580, 109.544



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, 85.356, 105.992



96, 97.114, 106.061



81, 95.921, 128.480



48, 6.737, 111.346



70, 74.302, 105.992



20, 29.334, 106.505

Inverse Universe

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



32, 113.667, 305.300



32, 133.591, 306.390



41, 106.451, 313.745



44, 6.888, 293.083



21, 102.129, 306.444



2, 33.767, 297.999

Previews

White Background



This preview shows how the CIELCh color 87, 85.356, 105.990 looks on a white background.

Color Contrast Check

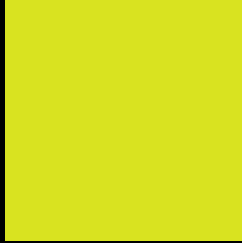
Large Text (above 18pt) WCAG AA × Fail

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, 85.356, 105.990 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, 85.356, 105.990

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.356, 105.990.



This preview shows how white text looks on a background with the CIELCh color 87, 85.356, 105.990.

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](#).

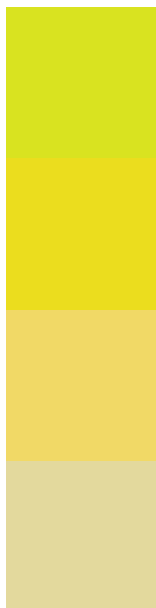
Dichromacy





Tritanopia
87, 11.933, 332.074

Trichromacy



Original Color
87, 85.172, 106.010

Protanomaly
87, 83.738, 98.981

Deuteranomaly
87, 58.807, 95.236

Tritanomaly
86, 31.347, 100.199

Monochromacy



Original Color
87, 85.172, 106.010

Achromatopsia
81, 0.010, 296.813

Achromatomaly
83, 36.845, 108.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.356, 105.990 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(217, 227, 32)` looks like.

```
.text, #text, p{  
    color:rgb(217, 227, 32)  
}
```

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(217, 227, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 227, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.356, 105.990 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(217, 227, 32) }
```

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

```
.border{ border-color:rgb(217, 227, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 227, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 227, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 227, 32);  
box-shadow:4px 4px 4px 4px rgb(217, 227,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.356, 105.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 227, 32) }
```

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

```
.background{ background-color: rgb(217,  
227, 32) }
```

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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