

Converting Colors

CIELCh(89, 91.745, 108.924)

Have a look what the booklet for
CIELCh(89, 91.745, 108.924)
contains.

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Color

CIELCh(89, 91.728, 108.942)

Conversions

Conversions Part 1

Format	Color
Hex	D5EC04
RGB	213, 236, 4
RGB Percent	84%, 93%, 2%
CMY	0.1646, 0.0744, 0.9838
CMYK	0.10, 0.00, 0.98, 0.07
HSL	66°, 97%, 47%
HSV	66°, 98%, 93%
XYZ	57.4732, 74.1641, 11.4036
YIQ	202.6750, 60.7640, -77.0280

Conversions

Conversions Part 2

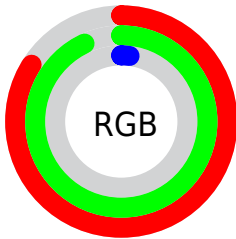
Format	Color
R _Y B	4, 236, 27
Decimal	14019588
CIE Lab	89.00, -29.78, 86.76
CIE LCh	89, 91.728, 108.942
Yxy	74.1641, 0.4018, 0.5185
Android (android.graphics.Color)	4292209668 (0xFFD5EC04)
YUV	202.6750, -97.9468, 9.0550
Hunter-Lab	86.1186, -31.5816, 52.4320

Details

The CIELCh color **89, 91.728, 108.942** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **30, 124.833, 306.472**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **69, 75.754, 111.877** is the 20% darker color. If you saturate the color by 10%, you get **89, 92.066, 109.006**, and if you desaturate by 10%, it is **89, 89.116, 108.669**.

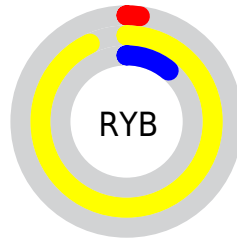
Distribution



Red (84%)

Green (93%)

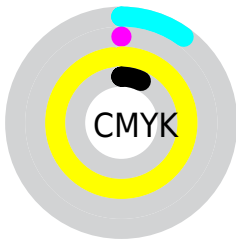
Blue (2%)



Red (2%)

Yellow (93%)

Blue (11%)

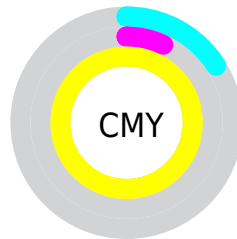


Cyan (10%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (16%)


Magenta (7%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 91.728, 108.942 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 89, 91.728, 108.942 by changing the saturation by 10% instead.


 89, 91.728,
108.942


 89, 91.728,
108.942


 100, 91.728,
108.942


 79, 91.728,
108.942

 69, 91.728,
108.942

 59, 91.728,
108.942

 49, 91.728,
108.942

 39, 91.728,
108.942

 29, 91.728,
108.942

 19, 91.728,

108.942

■ 9, 91.728, 108.942

■ 0, 91.728, 108.942

■ 89, 91.728,
108.942

■ 89, 91.728,
108.942

■ 89, 92.066,
109.006

■ 89, 89.116,
108.669

■ 89, 84.018,
108.699

■ 90, 76.595,
109.007

■ 90, 67.396,
109.528

■ 90, 56.980,

110.193

■ 91, 45.783,
110.949

■ 92, 34.106,
111.754

■ 92, 22.146,
112.580

■ 93, 10.035,
113.404

Harmonies

Complementary

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



89, 91.728, 108.942



30, 124.833, 306.472

Rectangle

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



89, 91.728, 108.942



89, 91.728, 158.942



89, 91.728, 288.942



89, 91.728, 338.942

Sweetspot

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



89, 91.728, 108.944



98, 37.254, 111.683



50, 96.434, 40.444



52, 25.478, 111.335



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 91.728, 108.944



95, 97.618, 109.031



83, 105.237, 130.597



49, 6.875, 113.305



70, 75.463, 108.905



21, 30.766, 108.944

Inverse Universe

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



30, 124.833, 306.472



33, 133.268, 306.539



41, 115.110, 313.908



45, 7.028, 294.899



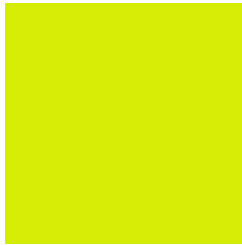
22, 102.920, 306.619



3, 35.956, 300.093

Previews

White Background



This preview shows how the CIELCh color 89, 91.728, 108.942 looks on a white background.

Color Contrast Check

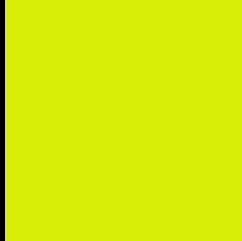
Large Text (above 18pt) WCAG AA × Fail

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 89, 91.728, 108.942 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 89, 91.728, 108.942

Background



This preview shows how black text looks on a background with the CIELCh color 89, 91.728, 108.942.



This preview shows how white text looks on a background with the CIELCh color 89, 91.728, 108.942.

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

89, 91.728, 108.942

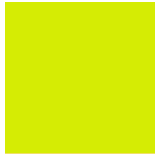
Deuteranopia

89, 32.074, 79.406

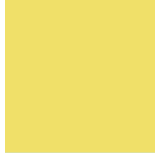
Tritanopia

89, 10.207, 313.153

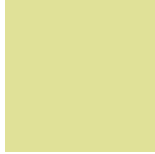
Trichromacy



Original Color
89, 91.728, 108.942



Deuteranomaly
88, 59.853, 98.723

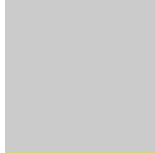


Tritanomaly
88, 37.441, 107.645

Monochromacy



Original Color
89, 91.728, 108.942



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 43.313, 110.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 91.728, 108.942 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(213, 236, 4)` looks like.

```
.text, #text, p{  
    color:rgb(213, 236, 4)  
}
```

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(213, 236, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 236, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 91.728, 108.942 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(213, 236, 4) }
```

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

```
.border{ border-color:rgb(213, 236, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 236, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 236, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 236, 4);  
box-shadow:4px 4px 4px 4px rgb(213, 236,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 91.728, 108.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 236, 4) }
```

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

```
.background{ background-color: rgb(213,  
236, 4) }
```

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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