

Converting Colors

CIELCh(91, 91.776, 104.284)

Have a look what the booklet for
CIELCh(91, 91.776, 104.284)
contains.

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Color

CIELCh(91, 91.717, 104.201)

Conversions

Conversions Part 1

Format	Color
Hex	E9EE04
RGB	233, 238, 4
RGB Percent	91%, 93%, 2%
CMY	0.0863, 0.0666, 0.9842
CMYK	0.02, 0.00, 0.98, 0.07
HSL	61°, 97%, 47%
HSV	61°, 98%, 93%
XYZ	64.2023, 78.4833, 11.8800
YIQ	209.8290, 72.1340, -73.8340

Conversions

Conversions Part 2

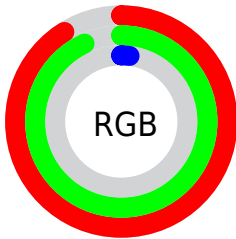
Format	Color
R _Y B	4, 238, 9
Decimal	15330820
CIE Lab	91.00, -22.50, 88.91
CIE LCh	91, 91.717, 104.201
Yxy	78.4833, 0.4154, 0.5078
Android (android.graphics.Color)	4293520900 (0xFFE9EE04)
YUV	209.8290, -101.4737, 20.3210
Hunter-Lab	88.5908, -25.6739, 54.0628

Details

The CIELCh color **91, 91.717, 104.201** 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, 126.155, 306.221**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **71, 75.373, 105.900** is the 20% darker color. If you saturate the color by 10%, you get **91, 92.023, 104.199**, and if you desaturate by 10%, it is **91, 89.226, 104.285**.

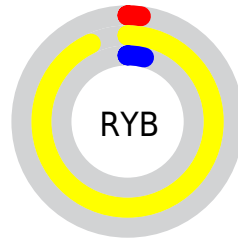
Distribution



Red (91%)

Green (93%)

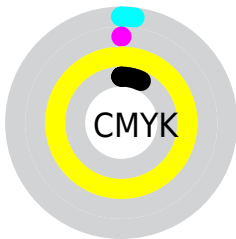
Blue (2%)



Red (2%)

Yellow (93%)

Blue (4%)

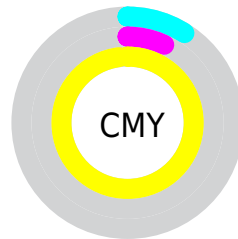


Cyan (2%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (9%)

Magenta (7%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 91.717, 104.201 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 91, 91.717, 104.201 by changing the saturation by 10% instead.

■ 91, 91.717,
104.201

■ 91, 91.717,
104.201

■ 100, 91.717,
104.201

■ 81, 91.717,
104.201

■ 71, 91.717,
104.201

■ 61, 91.717,
104.201


■ 51, 91.717,
104.201


■ 41, 91.717,
104.201


■ 31, 91.717,
104.201


■ 21, 91.717,


104.201


 11, 91.717,
104.201


 1, 91.717, 104.201


 91, 91.717,
104.201


 91, 91.717,
104.201

 91, 92.023,
104.199

 91, 89.226,
104.285

 91, 84.220,
104.585

 91, 76.849,
105.095

 92, 67.664,
105.771

■ 92, 57.235,
106.568

■ 92, 46.008,
107.443

■ 93, 34.293,
108.363

■ 93, 22.293,
109.303

■ 94, 10.137,
110.242

Harmonies

Complementary

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



91, 91.717, 104.201



30, 126.155, 306.221

Rectangle

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



91, 91.717, 104.201



91, 91.717, 154.201



91, 91.717, 284.201



91, 91.717, 334.201

Sweetspot

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



91, 91.716, 104.203



98, 37.137, 108.288



50, 98.155, 39.751



52, 25.397, 107.891



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 91.716, 104.203



97, 96.954, 104.204



84, 103.787, 128.656



50, 6.976, 110.132



72, 75.752, 104.177



22, 31.941, 104.497

Inverse Universe

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



30, 126.155, 306.221



32, 133.723, 306.329



39, 117.504, 312.213



46, 7.134, 291.972



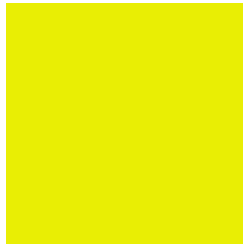
22, 104.446, 306.351



3, 37.859, 299.251

Previews

White Background



This preview shows how the CIELCh color 91, 91.717, 104.201 looks on a white background.

Color Contrast Check

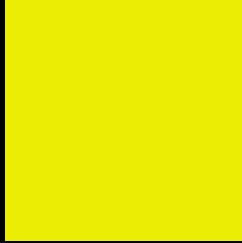
Large Text (above 18pt) WCAG AA × Fail

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 91, 91.717, 104.201 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 91, 91.717, 104.201

Background



This preview shows how black text looks on a background with the CIELCh color 91, 91.717, 104.201.

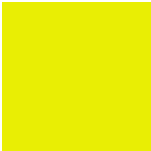
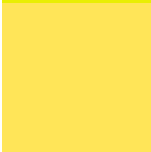
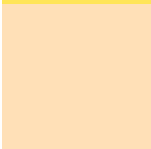


This preview shows how white text looks on a background with the CIELCh color 91, 91.717, 104.201.

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

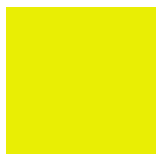
	Original Color 91, 91.717, 104.201
	Protanopia 91, 69.700, 95.390
	Deuteranopia 91, 24.486, 78.831



Tritanopia

91, 13.692, 337.487

Trichromacy



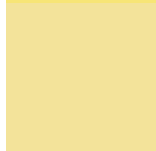
Original Color
91, 91.717, 104.201



Protanomaly
91, 80.957, 99.056

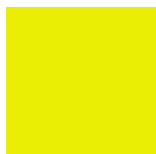


Deuteranomaly
90, 56.228, 97.921



Tritanomaly
90, 37.961, 97.327

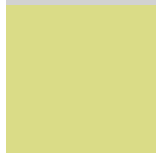
Monochromacy



Original Color
91, 91.717, 104.201



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 43.532, 107.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 91.717, 104.201 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(233, 238, 4)` looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 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(233, 238, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 91.717, 104.201 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(233, 238, 4) }
```

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

```
.border{ border-color:rgb(233, 238, 4) }
```

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

Here you see how a box with a 4 pixel rgb(233, 238, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 4);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 91.717, 104.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 238, 4) }
```

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

```
.background{ background-color: rgb(233,  
238, 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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