

Converting Colors

CIELCh(90, 90.587, 101.786)

Have a look what the booklet for
CIELCh(90, 90.587, 101.786)
contains.

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Color

CIELCh(90, 90.526, 101.768)

Conversions

Conversions Part 1

Format	Color
Hex	EDE900
RGB	237, 233, 0
RGB Percent	93%, 91%, 0%
CMY	0.0705, 0.0861, 0.9995
CMYK	0.00, 0.02, 1.00, 0.07
HSL	59°, 100%, 47%
HSV	59°, 100%, 93%
XYZ	64.0827, 76.3034, 11.3535
YIQ	207.6340, 77.1770, -71.6150

Conversions

Conversions Part 2

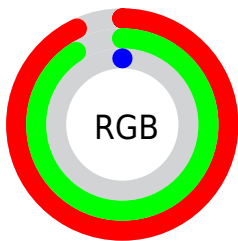
Format	Color
R _Y B	4, 237, 0
Decimal	15591680
CIE Lab	90.00, -18.46, 88.62
CIE LCh	90, 90.526, 101.768
Yxy	76.3034, 0.4223, 0.5029
Android (android.graphics.Color)	4293781760 (0xFFE9E900)
YUV	207.6340, -102.3636, 25.7540
Hunter-Lab	87.3518, -21.9152, 53.4401

Details

The CIELCh color **90, 90.526, 101.768** 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, 125.904, 306.135**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **70, 74.009, 103.547** is the 20% darker color. If you saturate the color by 10%, you get **90, 90.535, 101.769**, and if you desaturate by 10%, it is **90, 88.388, 102.028**.

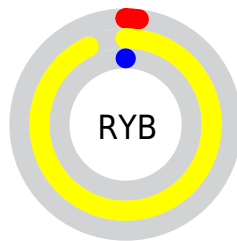
Distribution



Red (93%)

Green (91%)

Blue (0%)



Red (2%)

Yellow (93%)

Blue (0%)

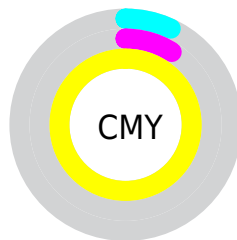


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (9%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 90.526, 101.768 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 90, 90.526, 101.768 by changing the saturation by 10% instead.


 90, 90.526,
101.768


 90, 90.526,
101.768


 100, 90.526,
101.768


 80, 90.526,
101.768

 70, 90.526,
101.768

 60, 90.526,
101.768

 50, 90.526,
101.768

 40, 90.526,
101.768

 30, 90.526,
101.768

 20, 90.526,

101.768

■ 10, 90.526,
101.768

■ 0, 90.526, 101.768

■ 90, 90.526,
101.768

■ 90, 90.526,
101.768

■ 90, 90.535,
101.769

■ 90, 88.388,
102.028

■ 90, 83.870,
102.450

■ 91, 76.923,
103.049

■ 91, 68.091,
103.794

■ 91, 57.962,
104.648

■ 92, 47.005,
105.575

■ 92, 35.546,
106.545

■ 93, 23.796,
107.534

■ 93, 11.892,
108.522

Harmonies

Complementary

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



90, 90.526, 101.768



30, 125.904, 306.135

Rectangle

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



90, 90.526, 101.768



90, 90.526, 151.768



90, 90.526, 281.768



90, 90.526, 331.768

Sweetspot

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



90, 90.525, 101.770



98, 37.783, 106.528



50, 97.593, 38.997



52, 25.695, 106.114



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 90.525, 101.770



96, 95.678, 101.765



85, 102.333, 127.152



49, 6.739, 108.569



71, 74.004, 101.788



21, 30.201, 102.567

Inverse Universe

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



30, 125.904, 306.135



33, 133.154, 306.151



37, 119.105, 310.993



45, 6.885, 290.500



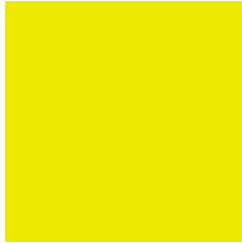
22, 102.691, 306.079



3, 35.314, 297.447

Previews

White Background



This preview shows how the CIELCh color 90, 90.526, 101.768 looks on a white background.

Color Contrast Check

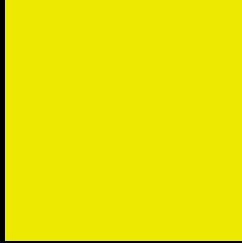
Large Text (above 18pt) WCAG AA × Fail

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 90, 90.526, 101.768 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 90, 90.526, 101.768

Background



This preview shows how black text looks on a background with the CIELCh color 90, 90.526, 101.768.



This preview shows how white text looks on a background with the CIELCh color 90, 90.526, 101.768.

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
90, 90.526, 101.768

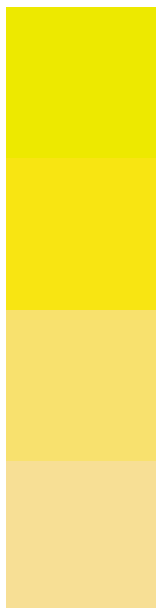
Protanopia
90, 86.687, 95.068

Deuteranopia
90, 28.380, 79.800



Tritanopia
90, 15.378, 345.612

Trichromacy



Original Color
90, 90.526, 101.768

Protanomaly
90, 88.176, 97.647

Deuteranomaly
89, 58.510, 95.852

Tritanomaly
89, 39.300, 92.645

Monochromacy



Original Color
90, 90.526, 101.768

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 43.620, 105.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 90.526, 101.768 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(237, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 0)  
}
```

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(237, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 90.526, 101.768 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(237, 233, 0) }
```

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

```
.border{ border-color:rgb(237, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 90.526, 101.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 0) }
```

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

```
.background{ background-color: rgb(237,  
233, 0) }
```

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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