

Converting Colors

CIELCh(90, 52.805, 105.822)

Have a look what the booklet for
CIELCh(90, 52.805, 105.822)
contains.

CIELCh(90, 52.777, 105.839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 52.777, 105.839)

Conversions

Conversions Part 1

Format	Color
Hex	E8E87F
RGB	232, 232, 127
RGB Percent	91%, 91%, 50%
CMY	0.0907, 0.0907, 0.5024
CMYK	0.00, 0.00, 0.45, 0.09
HSL	60°, 69%, 70%
HSV	60°, 45%, 91%
XYZ	65.8786, 76.3034, 31.2931
YIQ	220.0300, 33.7050, -32.6550

Conversions

Conversions Part 2

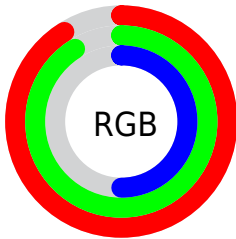
Format	Color
RYB	127, 232, 127
Decimal	15263871
CIELab	90.00, -14.40, 50.77
CIELCh	90, 52.777, 105.839
Yxy	76.3034, 0.3798, 0.4399
Android (android.graphics.Color)	4293453951 (0xFFE8E87F)
YUV	220.0300, -45.8638, 10.4977
Hunter-Lab	87.3518, -18.2453, 39.9061

Details

The CIELCh color **90, 52.777, 105.839** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **58, 59.657, 296.590**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 36.662, 107.383**, and **70, 52.805, 106.291** is the 20% darker color. If you saturate the color by 10%, you get **90, 63.271, 104.982**, and if you desaturate by 10%, it is **90, 41.612, 106.766**.

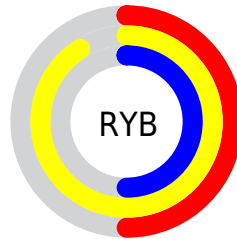
Distribution



Red (91%)

Green (91%)

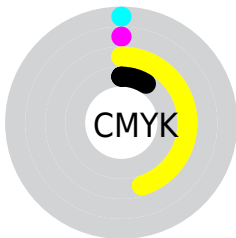
Blue (50%)



Red (50%)

Yellow (91%)

Blue (50%)

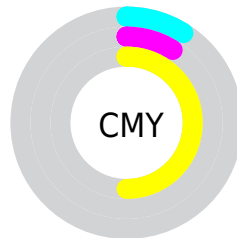


Cyan (0%)

Magenta (0%)

Yellow (45%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 52.777, 105.839 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, 52.777, 105.839 by changing the saturation by 10% instead.


 90, 52.777,
105.839


 90, 52.777,
105.839


 100, 52.777,
105.839


 80, 52.777,
105.839

 70, 52.777,
105.839

 60, 52.777,
105.839

 50, 52.777,
105.839

 40, 52.777,
105.839

 30, 52.777,
105.839

 20, 52.777,

105.839

■ 10, 52.777,
105.839

■ 0, 52.777, 105.839

■ 90, 52.777,
105.839

■ 90, 52.777,
105.839

■ 90, 63.271,
104.982

■ 90, 41.612,
106.766

■ 90, 72.694,
104.223

■ 91, 30.040,
107.726


■ 89, 80.523,
103.603


■ 91, 18.236,
108.699

■ 89, 86.189,
103.164


■ 92, 6.310, 109.664


■ 92, 5.665, 290.643


 89, 89.332,
102.923

 93, 11.958,
291.131

 89, 90.187,
102.859

 93, 11.958,
291.135

 93, 11.958,
291.139

 93, 11.958,
291.143

Harmonies

Complementary

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



90, 52.777, 105.839



58, 59.657, 296.590

Rectangle

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



90, 52.777, 105.839



90, 52.777, 155.839



90, 52.777, 285.839



90, 52.777, 335.839

Sweetspot

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



90, 52.778, 105.842



99, 18.052, 108.817



65, 44.214, 24.259



53, 12.455, 108.606



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, 52.778, 105.842



98, 66.903, 105.064



86, 56.981, 126.945



48, 6.730, 109.265



71, 74.152, 102.859



20, 29.319, 103.661

Inverse Universe

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



58, 59.657, 296.590



56, 78.263, 298.439



62, 60.909, 311.371



44, 6.881, 291.166



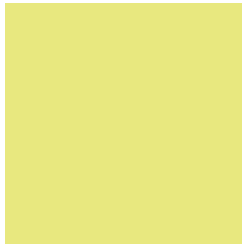
21, 102.391, 306.288



2, 33.677, 296.778

Previews

White Background



This preview shows how the CIELCh color 90, 52.777, 105.839 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, 52.777, 105.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

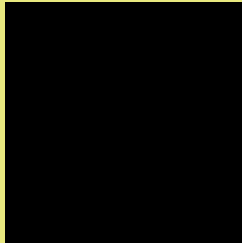
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 52.777, 105.839

Background



This preview shows how black text looks on a background with the CIELCh color 90, 52.777, 105.839.



This preview shows how white text looks on a background with the CIELCh color 90, 52.777, 105.839.

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](#).

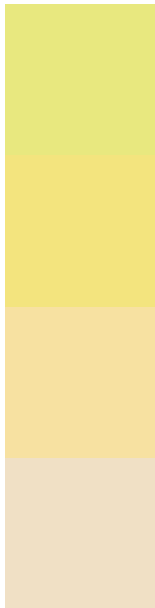
Dichromacy





Tritanopia
90, 12.954, 334.153

Trichromacy



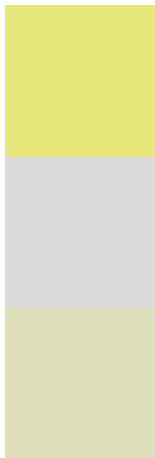
Original Color
90, 52.777, 105.839

Protanomaly
90, 51.900, 99.050

Deuteranomaly
90, 34.123, 92.507

Tritanomaly
90, 15.239, 85.578

Monochromacy



Original Color
90, 52.777, 105.839

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 19.674, 108.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 52.777, 105.839 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(232, 232, 127)` looks like.

```
.text, #text, p{  
    color:rgb(232, 232, 127)  
}
```

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(232, 232, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 232, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 52.777, 105.839 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(232, 232, 127) }
```

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

```
.border{ border-color:rgb(232, 232, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 232, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 232, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 232, 127);  
box-shadow:4px 4px 4px 4px rgb(232, 232,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 52.777, 105.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 232, 127) }
```

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

```
.background{ background-color: rgb(232,  
232, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor