

Converting Colors

CIELCh(90, 53.325, 104.729)

Have a look what the booklet for
CIELCh(90, 53.325, 104.729)
contains.

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Color

CIELCh(90, 53.292, 104.462)

Conversions

Conversions Part 1

Format	Color
Hex	EAE77D
RGB	234, 231, 125
RGB Percent	92%, 91%, 49%
CMY	0.0814, 0.0932, 0.5089
CMYK	0.00, 0.01, 0.47, 0.08
HSL	58°, 72%, 70%
HSV	58°, 47%, 92%
XYZ	66.3692, 76.3034, 30.7063
YIQ	219.8130, 35.8140, -32.3300

Conversions

Conversions Part 2

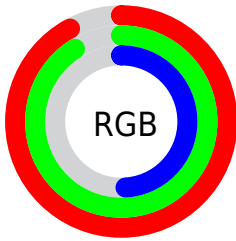
Format	Color
RYB	128, 234, 125
Decimal	15394685
CIELab	90.00, -13.31, 51.60
CIELCh	90, 53.292, 104.462
Yxy	76.3034, 0.3828, 0.4401
Android (android.graphics.Color)	4293584765 (0xFFEAE77D)
YUV	219.8130, -46.7428, 12.4420
Hunter-Lab	87.3518, -17.2428, 40.3044

Details

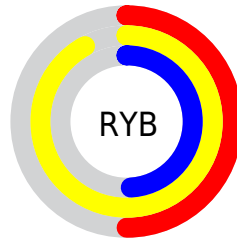
The CIELCh color **90, 53.292, 104.462** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **58, 60.139, 295.841**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.646, 107.307**, and **70, 53.256, 104.800** is the 20% darker color. If you saturate the color by 10%, you get **90, 63.586, 103.562**, and if you desaturate by 10%, it is **90, 42.325, 105.425**.

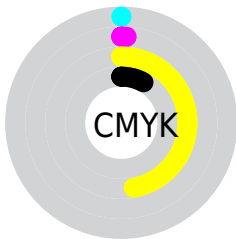
Distribution



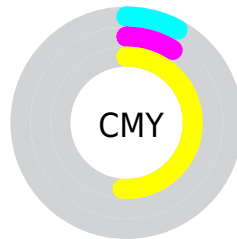
- Red (92%)
- Green (91%)
- Blue (49%)



- Red (50%)
- Yellow (92%)
- Blue (49%)



- Cyan (0%)
- Magenta (1%)
- Yellow (47%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 53.292, 104.462 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, 53.292, 104.462 by changing the saturation by 10% instead.


 90, 53.292,
104.462


 90, 53.292,
104.462


 100, 53.292,
104.462


 80, 53.292,
104.462


 70, 53.292,
104.462

 60, 53.292,
104.462

 50, 53.292,
104.462

 40, 53.292,
104.462

 30, 53.292,
104.462

 20, 53.292,

104.462

■ 10, 53.292,
104.462

■ 0, 53.292, 104.462

■ 90, 53.292,
104.462

■ 90, 53.292,
104.462

■ 90, 63.586,
103.562

■ 90, 42.325,
105.425

■ 89, 72.791,
102.748

■ 91, 30.957,
106.417

■ 89, 80.356,
102.060

■ 92, 19.367,
107.418

■ 89, 85.687,
101.529

■ 92, 7.667, 108.409

■ 93, 4.073, 289.419

■ 88, 88.437,
101.168

■ 94, 10.260,
289.330

■ 88, 89.022,
101.066

■ 94, 9.928, 287.974

■ 94, 9.602, 286.528

■ 94, 9.283, 284.983

Harmonies

Complementary

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



90, 53.292, 104.462



58, 60.139, 295.841

Rectangle

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



90, 53.292, 104.462



90, 53.292, 154.462



90, 53.292, 284.462



90, 53.292, 334.462

Sweetspot

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



90, 53.293, 104.465



99, 17.570, 107.665



65, 45.556, 22.084



53, 12.124, 107.449



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, 53.293, 104.465



97, 67.508, 103.586



87, 58.447, 125.684



49, 6.667, 108.122



70, 73.429, 101.096



21, 29.917, 101.982

Inverse Universe

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



58, 60.139, 295.841



55, 79.049, 297.919



62, 62.980, 310.403



45, 6.809, 290.069



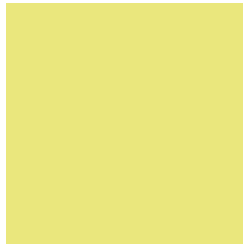
22, 102.203, 305.948



3, 35.048, 297.251

Previews

White Background



This preview shows how the CIELCh color 90, 53.292, 104.462 looks on a white background.

Color Contrast Check

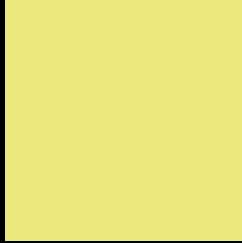
Large Text (above 18pt) WCAG AA × Fail

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, 53.292, 104.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

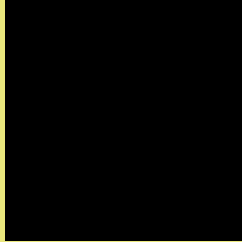
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 53.292, 104.462

Background



This preview shows how black text looks on a background with the CIELCh color 90, 53.292, 104.462.



This preview shows how white text looks on a background with the CIELCh color 90, 53.292, 104.462.

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, 53.292, 104.462

Protanopia

90, 52.523, 95.402

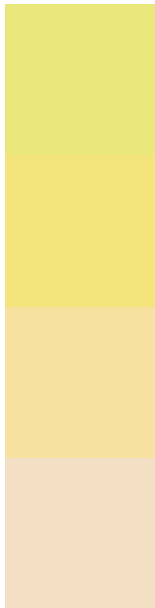
Deuteranopia

90, 25.189, 76.459



Tritanopia
90, 13.107, 338.062

Trichromacy



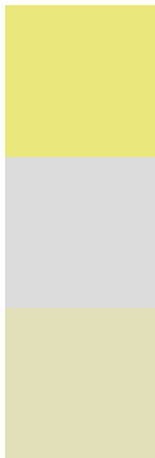
Original Color
90, 53.292, 104.462

Protanomaly
90, 52.895, 98.636

Deuteranomaly
90, 34.615, 92.663

Tritanomaly
90, 15.752, 81.732

Monochromacy



Original Color
90, 53.292, 104.462

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 19.675, 107.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 53.292, 104.462 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(234, 231, 125)` looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 125)  
}
```

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(234, 231, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 53.292, 104.462 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(234, 231, 125) }
```

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

```
.border{ border-color:rgb(234, 231, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 231, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 125);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 53.292, 104.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 125) }
```

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

```
.background{ background-color: rgb(234,  
231, 125) }
```

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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