

Converting Colors

CIELCh(90, 55.930, 102.548)

Have a look what the booklet for
CIELCh(90, 55.930, 102.548)
contains.

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Color

CIELCh(90, 55.742, 102.178)

Conversions

Conversions Part 1

Format	Color
Hex	EEE677
RGB	238, 230, 119
RGB Percent	93%, 90%, 47%
CMY	0.0656, 0.0970, 0.5323
CMYK	0.00, 0.03, 0.50, 0.07
HSL	56°, 78%, 70%
HSV	56°, 50%, 93%
XYZ	67.0675, 76.3034, 28.7247
YIQ	219.7380, 40.3990, -32.8250

Conversions

Conversions Part 2

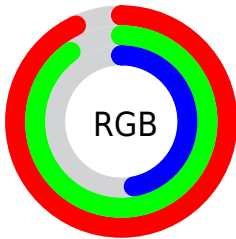
Format	Color
R_{YB}	128, 238, 119
Decimal	15656567
CIE _{Lab}	90.00, -11.76, 54.49
CIE _{LCh}	90, 55.742, 102.178
Yxy	76.3034, 0.3897, 0.4434
Android (android.graphics.Color)	4293846647 (0xFFEEE677)
YUV	219.7380, -49.6638, 16.0158
Hunter-Lab	87.3518, -15.8159, 41.6494

Details

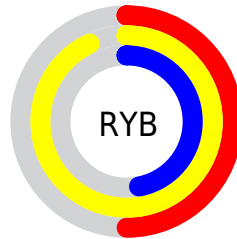
The CIELCh color **90, 55.742, 102.178** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **57, 63.004, 295.031**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.585, 107.080**, and **70, 55.934, 102.248** is the 20% darker color. If you saturate the color by 10%, you get **89, 65.638, 101.216**, and if you desaturate by 10%, it is **91, 45.109, 103.195**.

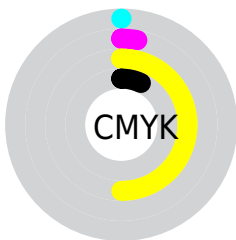
Distribution



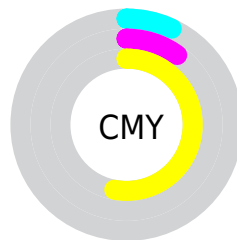
- Red (93%)
- Green (90%)
- Blue (47%)



- Red (50%)
- Yellow (93%)
- Blue (47%)



- Cyan (0%)
- Magenta (3%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (10%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 55.742, 102.178 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, 55.742, 102.178 by changing the saturation by 10% instead.


 90, 55.742,
102.178


 90, 55.742,
102.178


 100, 55.742,
102.178


 80, 55.742,
102.178

 70, 55.742,
102.178

 60, 55.742,
102.178

 50, 55.742,
102.178

 40, 55.742,
102.178

 30, 55.742,
102.178

 20, 55.742,

102.178

■ 10, 55.742,
102.178

■ 0, 55.742, 102.178

■ 90, 55.742,
102.178

■ 90, 55.742,
102.178

■ 89, 65.638,
101.216

■ 91, 45.109,
103.195

■ 89, 74.330,
100.327

■ 91, 34.049,
104.234

■ 88, 81.204, 99.541

■ 92, 22.759,
105.280

■ 88, 85.645, 98.873

■ 93, 11.362,
106.315

■ 87, 87.624, 98.310

87, 87.631, 98.307

94, 0.066, 288.919

95, 7.782, 286.715

95, 7.009, 281.669

96, 6.303, 275.453

96, 5.689, 267.804

Harmonies

Complementary

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



90, 55.742, 102.178



57, 63.004, 295.031

Rectangle

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



90, 55.742, 102.178



90, 55.742, 152.178



90, 55.742, 282.178



90, 55.742, 332.178

Sweetspot

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



90, 55.743, 102.181



98, 18.092, 105.789



64, 49.396, 19.121



52, 12.340, 105.569



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, 55.743, 102.181



95, 69.361, 101.191



89, 62.517, 123.666



50, 6.519, 106.363



69, 72.133, 98.386



21, 30.146, 99.510

Inverse Universe

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



57, 63.004, 295.031



54, 81.572, 297.391



60, 68.453, 309.086



46, 6.646, 288.378



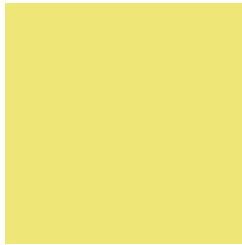
23, 101.492, 305.466



3, 36.041, 297.559

Previews

White Background



This preview shows how the CIELCh color 90, 55.742, 102.178 looks on a white background.

Color Contrast Check

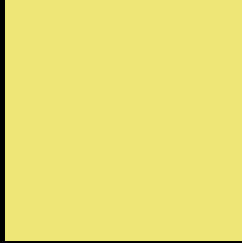
Large Text (above 18pt) WCAG AA × Fail

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, 55.742, 102.178 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, 55.742, 102.178

Background



This preview shows how black text looks on a background with the CIELCh color 90, 55.742, 102.178.

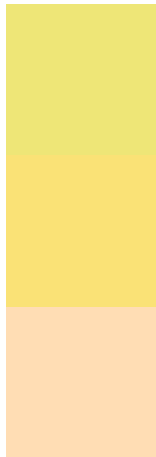


This preview shows how white text looks on a background with the CIELCh color 90, 55.742, 102.178.

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, 55.742, 102.178

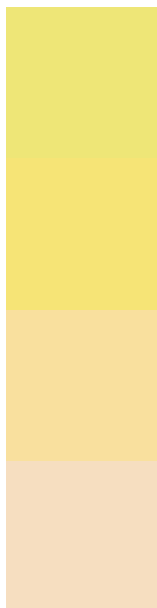
Protanopia
90, 55.386, 95.222

Deuteranopia
90, 25.189, 76.459



Tritanopia
90, 14.793, 343.930

Trichromacy



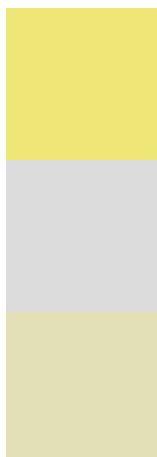
Original Color
90, 55.742, 102.178

Protanomaly
90, 55.798, 97.880

Deuteranomaly
90, 35.480, 90.904

Tritanomaly
90, 18.100, 78.331

Monochromacy



Original Color
90, 55.742, 102.178

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 21.241, 105.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 55.742, 102.178 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(238, 230, 119)` looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 119)  
}
```

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(238, 230, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 55.742, 102.178 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(238, 230, 119) }
```

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

```
.border{ border-color:rgb(238, 230, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 119);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 55.742, 102.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 119) }
```

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

```
.background{ background-color: rgb(238,  
230, 119) }
```

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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