

Converting Colors

CIELCh(93, 36.591, 109.372)

Have a look what the booklet for
CIELCh(93, 36.591, 109.372)
contains.

CIELCh(93, 36.585, 109.704)	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(93, 36.585, 109.704)

Conversions

Conversions Part 1

Format	Color
Hex	ECF0A8
RGB	236, 240, 168
RGB Percent	93%, 94%, 66%
CMY	0.0746, 0.0589, 0.3412
CMYK	0.02, 0.00, 0.30, 0.06
HSL	63°, 71%, 80%
HSV	63°, 30%, 94%
XYZ	72.8082, 82.9670, 49.2147
YIQ	230.5960, 20.7280, -23.2400

Conversions

Conversions Part 2

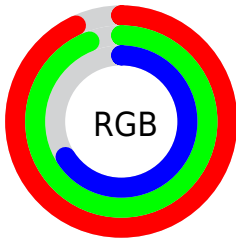
Format	Color
R_{YB}	168, 240, 172
Decimal	15528104
CIE _{Lab}	93.00, -12.34, 34.44
CIE _{LCh}	93, 36.585, 109.704
Yxy	82.9670, 0.3552, 0.4047
Android (android.graphics.Color)	4293718184 (0xFFE0A8)
YUV	230.5960, -30.8598, 4.7393
Hunter-Lab	91.0862, -16.7200, 31.7254

Details

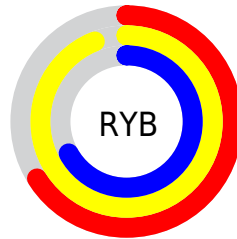
The CIELCh color **93, 36.585, 109.704** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72, 39.365, 295.720**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **73, 36.657, 109.863** is the 20% darker color. If you saturate the color by 10%, you get **93, 48.324, 108.844**, and if you desaturate by 10%, it is **94, 24.533, 110.595**.

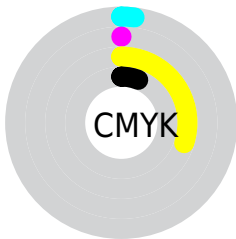
Distribution



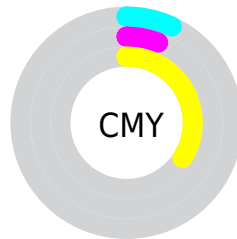
- Red (93%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (7%)
- Magenta (6%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 36.585, 109.704 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 93, 36.585, 109.704 by changing the saturation by 10% instead.


 93, 36.585,
109.704


 93, 36.585,
109.704


 100, 36.585,
109.704


 83, 36.585,
109.704

 73, 36.585,
109.704

 63, 36.585,
109.704

 53, 36.585,
109.704

 43, 36.585,
109.704

 33, 36.585,
109.704

 23, 36.585,

109.704

■ 13, 36.585,
109.704

■ 3, 36.585, 109.704

■ 93, 36.585,
109.704

■ 93, 36.585,
109.704

■ 93, 48.324,
108.844

■ 94, 24.533,
110.595

■ 92, 59.525,
108.034

■ 94, 12.304,
111.484

■ 92, 69.858,
107.315

■ 95, 0.008, 298.703

■ 92, 78.852,
106.738

■ 95, 7.737, 294.185

■ 95, 7.784, 297.568

■ 91, 85.923,
106.358

■ 95, 7.857, 300.908

■ 91, 90.544,
106.227

■ 96, 7.957, 304.183

■ 91, 92.787,
106.337

■ 96, 8.081, 307.376

■ 96, 8.230, 310.470

Harmonies

Complementary

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



93, 36.585, 109.704



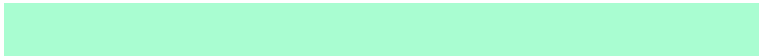
72, 39.365, 295.720

Rectangle

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



93, 36.585, 109.704



93, 36.585, 159.704



93, 36.585, 289.704



93, 36.585, 339.704

Sweetspot

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



93, 36.587, 109.707



99, 11.630, 111.570



76, 27.315, 25.717



53, 8.080, 111.441



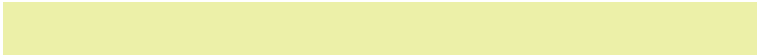
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

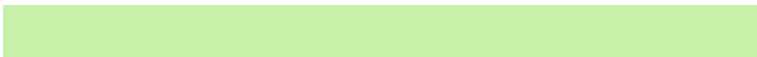
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 36.587, 109.707



98, 45.872, 109.175



91, 39.762, 129.416



50, 6.983, 111.531



72, 75.900, 106.280



22, 31.969, 106.389

Inverse Universe

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



72, 39.365, 295.720



71, 50.261, 296.616



75, 41.272, 312.187



46, 7.140, 293.261



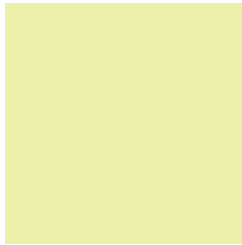
22, 104.273, 306.452



3, 37.946, 300.051

Previews

White Background



This preview shows how the CIELCh color 93, 36.585, 109.704 looks on a white background.

Color Contrast Check

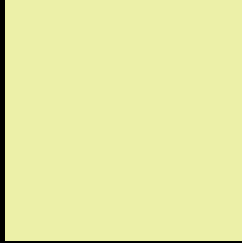
Large Text (above 18pt) WCAG AA × Fail

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 93, 36.585, 109.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

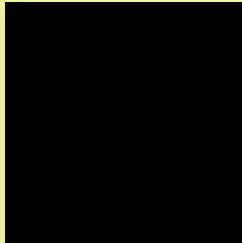
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 36.585, 109.704

Background



This preview shows how black text looks on a background with the CIELCh color 93, 36.585, 109.704.

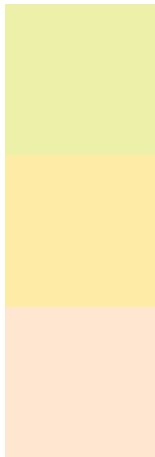


This preview shows how white text looks on a background with the CIELCh color 93, 36.585, 109.704.

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
93, 36.585, 109.704

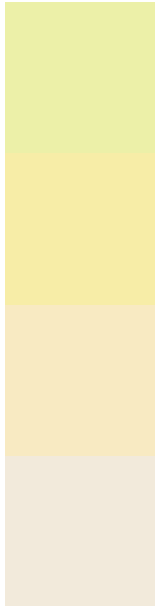
Protanopia
93, 35.924, 95.879

Deuteranopia
93, 14.334, 68.430



Tritanopia
93, 10.910, 321.726

Trichromacy



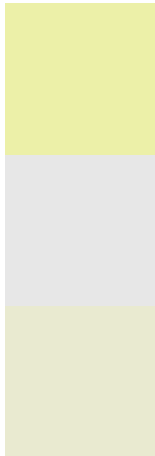
Original Color
93, 36.585, 109.704

Protanomaly
93, 35.847, 100.997

Deuteranomaly
93, 21.211, 93.936

Tritanomaly
93, 8.232, 88.720

Monochromacy



Original Color
93, 36.585, 109.704

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 13.380, 110.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 36.585, 109.704 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(236, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 168)  
}
```

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(236, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 36.585, 109.704 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(236, 240, 168) }
```

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

```
.border{ border-color:rgb(236, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 36.585, 109.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 168) }
```

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

```
.background{ background-color: rgb(236,  
240, 168) }
```

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