

Converting Colors

CIELCh(93, 5.779, 122.090)

Have a look what the booklet for
CIELCh(93, 5.779, 122.090) contains.

CIELCh(93, 5.765, 120.504)	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, 5.765, 120.504)

Conversions

Conversions Part 1

Format	Color
Hex	E9ECE1
RGB	233, 236, 225
RGB Percent	91%, 93%, 88%
CMY	0.0852, 0.0734, 0.1166
CMYK	0.01, 0.00, 0.05, 0.07
HSL	76°, 23%, 90%
HSV	76°, 5%, 93%
XYZ	77.3933, 82.9670, 83.3617
YIQ	233.8490, 1.7430, -4.0570

Conversions

Conversions Part 2

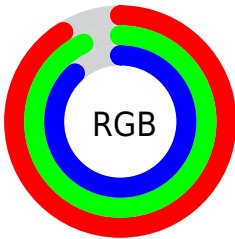
Format	Color
R_{YB}	225, 236, 228
Decimal	15330529
CIE _{Lab}	93.00, -2.93, 4.97
CIE _{LCh}	93, 5.765, 120.504
Yxy	82.9670, 0.3175, 0.3404
Android (android.graphics.Color)	4293520609 (0xFFE9ECE1)
YUV	233.8490, -4.3626, -0.7446
Hunter-Lab	91.0862, -7.7346, 9.4984

Details

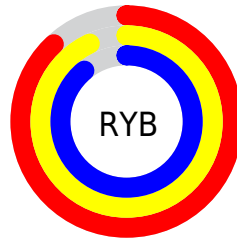
The CIELCh color **93, 5.765, 120.504** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 5.838, 301.059**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 5.537, 121.500** is the 20% darker color. If you saturate the color by 10%, you get **92, 18.152, 119.902**, and if you desaturate by 10%, it is **94, 6.634, 301.086**.

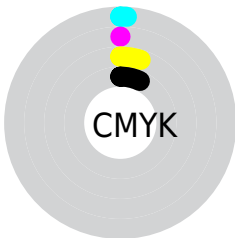
Distribution



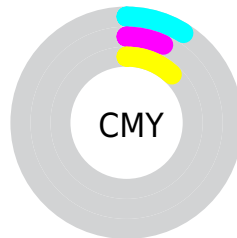
- Red (91%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 5.765, 120.504 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, 5.765, 120.504 by changing the saturation by 10% instead.

 93, 5.765, 120.504

 93, 5.765, 120.504

 100, 5.765,
120.504

 83, 5.765, 120.504

 73, 5.765, 120.504

 63, 5.765, 120.504

 53, 5.765, 120.504

 43, 5.765, 120.504

 33, 5.765, 120.504

 23, 5.765, 120.504

 13, 5.765, 120.504

 3, 5.765, 120.504

93, 5.765, 120.504

93, 5.765, 120.504

92, 18.152,
119.902

94, 6.634, 301.086

91, 30.443,
119.283

95, 10.273,
310.367

90, 42.527,
118.674

95, 11.236,
321.276

89, 54.235,
118.106

95, 11.682,
324.821

89, 65.312,
117.625

88, 75.386,
117.299

88, 83.952,
117.222

87, 90.441,
117.503

■ 87, 94.461,
118.232

Harmonies

Complementary

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



93, 5.765, 120.504



90, 5.838, 301.059

Rectangle

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



93, 5.765, 120.504



93, 5.765, 170.504



93, 5.765, 300.504



93, 5.765, 350.504

Sweetspot

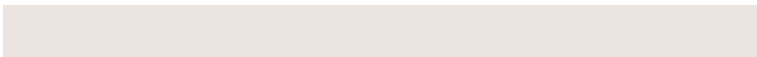
The Sweet Spot groups the original color and five complimentary colors.



93, 5.767, 120.515



100, 1.308, 120.760



91, 3.267, 47.028



53, 0.743, 120.765



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, 5.767, 120.515



99, 7.906, 120.432



93, 6.448, 137.637



49, 4.898, 120.395



68, 78.398, 118.528



20, 31.665, 117.867

Inverse Universe

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



90, 5.838, 301.059



95, 8.016, 301.147



91, 6.484, 317.971



47, 4.970, 301.186



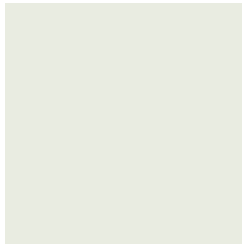
24, 100.846, 308.005



3, 36.527, 304.380

Previews

White Background



This preview shows how the CIE LCh color 93, 5.765, 120.504 looks on a white background.

Color Contrast Check

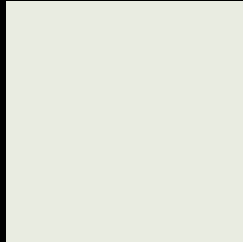
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 93, 5.765, 120.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

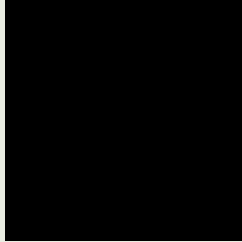
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

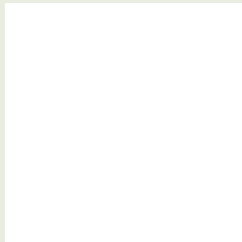
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 5.765, 120.504

Background



This preview shows how black text looks on a background with the CIELCh color 93, 5.765, 120.504.

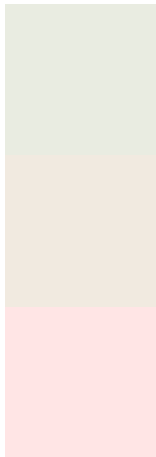


This preview shows how white text looks on a background with the CIELCh color 93, 5.765, 120.504.

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, 5.765, 120.504

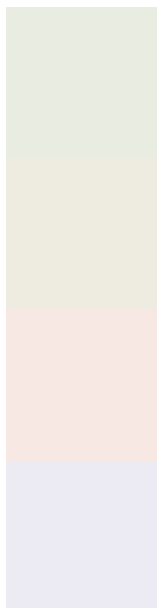
Protanopia
93, 5.715, 83.378

Deuteranopia
93, 9.448, 19.999



Tritanopia
93, 9.999, 300.884

Trichromacy



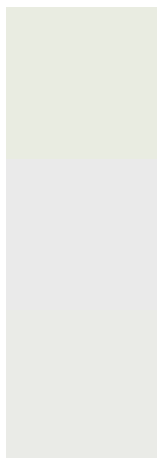
Original Color
93, 5.765, 120.504

Protanomaly
93, 5.745, 98.826

Deuteranomaly
93, 5.794, 40.408

Tritanomaly
93, 4.205, 300.108

Monochromacy



Original Color
93, 5.765, 120.504

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 2.085, 119.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 5.765, 120.504 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(233, 236, 225)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 225)  
}
```

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(233, 236, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 5.765, 120.504 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(233, 236, 225) }
```

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

```
.border{ border-color:rgb(233, 236, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 225);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 5.765, 120.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 225) }
```

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

```
.background{ background-color: rgb(233,  
236, 225) }
```

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