

Converting Colors

CIELCh(93, 3.677, 195.124)

Have a look what the booklet for
CIELCh(93, 3.677, 195.124) contains.

CIELCh(93, 3.503, 199.349)	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, 3.503, 199.349)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDED
RGB	227, 237, 237
RGB Percent	89%, 93%, 93%
CMY	0.1100, 0.0708, 0.0708
CMYK	0.04, 0.00, 0.00, 0.07
HSL	180°, 22%, 91%
HSV	180°, 4%, 93%
XYZ	77.2051, 82.9670, 92.0210
YIQ	234.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

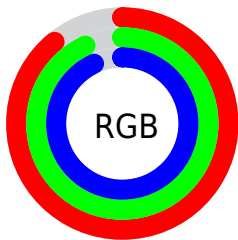
Format	Color
R _Y B	227, 232, 237
Decimal	14937581
CIE Lab	93.00, -3.31, -1.16
CIE LCh	93, 3.503, 199.349
Yxy	82.9670, 0.3061, 0.3290
Android (android.graphics.Color)	4293127661 (0xFFE3EDED)
YUV	234.0100, 1.4741, -6.1478
Hunter-Lab	91.0862, -8.1035, 3.8619

Details

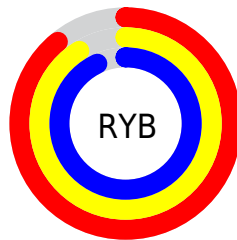
The CIELCh color **93, 3.503, 199.349** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91, 3.599, 19.457**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 3.311, 199.288** is the 20% darker color. If you saturate the color by 10%, you get **91, 11.508, 198.660**, and if you desaturate by 10%, it is **95, 4.899, 19.577**.

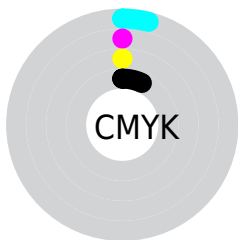
Distribution



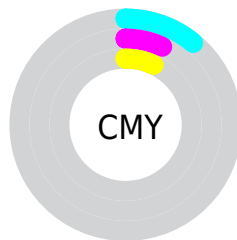
- Red (89%)
- Green (93%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 3.503, 199.349 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, 3.503, 199.349 by changing the saturation by 10% instead.

93, 3.503, 199.349

93, 3.503, 199.349

100, 3.503,
199.349

83, 3.503, 199.349

73, 3.503, 199.349

63, 3.503, 199.349

53, 3.503, 199.349

43, 3.503, 199.349

33, 3.503, 199.349

23, 3.503, 199.349

13, 3.503, 199.349

3, 3.503, 199.349

93, 3.503, 199.349

93, 3.503, 199.349

91, 11.508,
198.660

95, 4.899, 19.577

90, 18.985,
198.148

95, 6.479, 19.683

89, 25.798,
197.700

95, 6.479, 19.642

88, 31.813,
197.313

95, 6.479, 19.560

87, 36.909,
196.990

95, 6.479, 19.519

86, 40.998,
196.734

95, 6.479, 19.437

86, 44.036,
196.544

95, 6.479, 19.396

86, 46.041,
196.418

■ 85, 47.104,
196.349

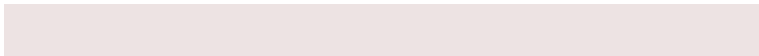
Harmonies

Complementary

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



93, 3.503, 199.349



91, 3.599, 19.457

Rectangle

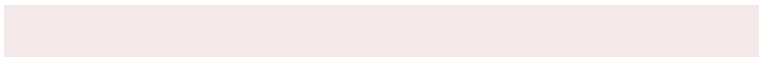
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



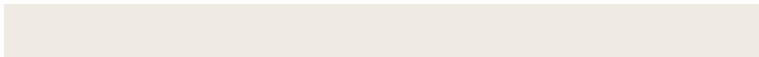
93, 3.503, 199.349



93, 3.503, 249.349



93, 3.503, 19.349



93, 3.503, 69.349

Sweetspot

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



93, 3.504, 199.317



100, 0.886, 200.065



93, 6.263, 143.811



53, 0.504, 200.107



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

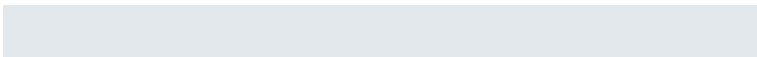
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 3.504, 199.317



99, 4.397, 199.245



92, 3.069, 254.251



49, 2.797, 199.192



67, 38.763, 196.328



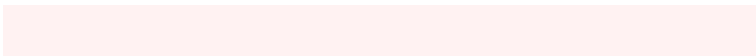
19, 16.598, 196.336

Inverse Universe

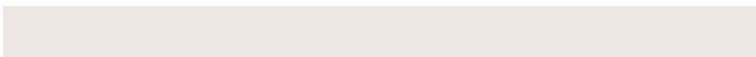
The Inverse Universe completely reimagines the original color for something new.



91, 3.599, 19.457



97, 4.539, 19.535



92, 3.089, 72.948



47, 2.899, 19.595



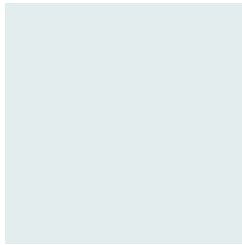
38, 80.830, 39.970



7, 28.534, 22.700

Previews

White Background



This preview shows how the CIELCh color 93, 3.503, 199.349 looks on a white background.

Color Contrast Check

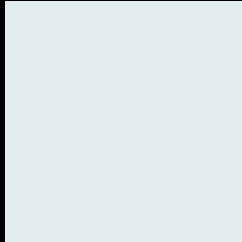
Large Text (above 18pt) WCAG AA × Fail

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, 3.503, 199.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

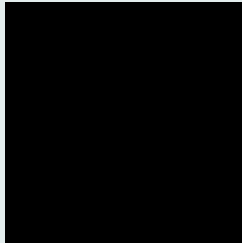
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

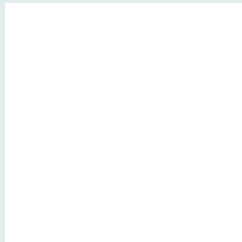
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 3.503, 199.349

Background



This preview shows how black text looks on a background with the CIELCh color 93, 3.503, 199.349.

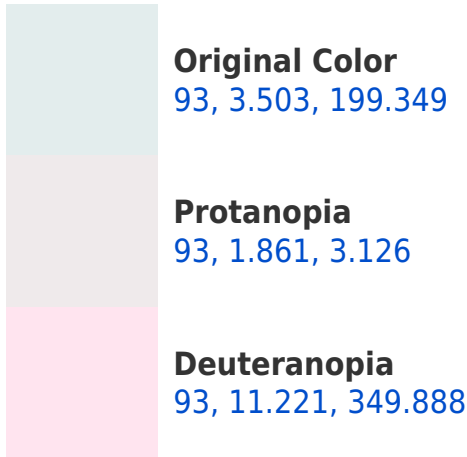


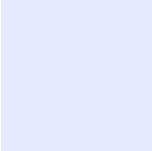
This preview shows how white text looks on a background with the CIELCh color 93, 3.503, 199.349.

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](#).

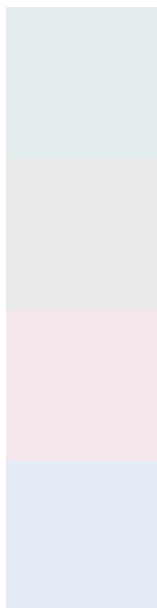
Dichromacy





Tritanopia
93, 9.883, 283.016

Trichromacy



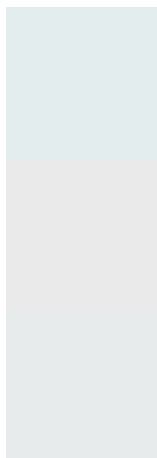
Original Color
93, 3.503, 199.349

Protanomaly
93, 0.526, 290.357

Deuteranomaly
93, 6.182, 344.048

Tritanomaly
93, 6.498, 272.112

Monochromacy



Original Color
93, 3.503, 199.349

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 1.411, 199.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 3.503, 199.349 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(227, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 237)  
}
```

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(227, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 3.503, 199.349 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(227, 237, 237) }
```

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

```
.border{ border-color:rgb(227, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 3.503, 199.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 237) }
```

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

```
.background{ background-color: rgb(227,  
237, 237) }
```

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