

Converting Colors

CIELCh(93, 8.643, 127.605)

Have a look what the booklet for
CIELCh(93, 8.643, 127.605) contains.

CIELCh(93, 8.738, 128.788)	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, 8.738, 128.788)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEDE
RGB	230, 238, 222
RGB Percent	90%, 93%, 87%
CMY	0.0994, 0.0680, 0.1308
CMYK	0.03, 0.00, 0.07, 0.07
HSL	90°, 32%, 90%
HSV	90°, 7%, 93%
XYZ	76.1334, 82.9670, 80.8667
YIQ	233.7840, 0.3680, -6.6720

Conversions

Conversions Part 2

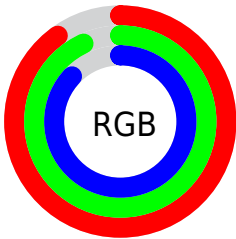
Format	Color
R _Y B	222, 238, 230
Decimal	15134430
CIE Lab	93.00, -5.47, 6.81
CIE LCh	93, 8.738, 128.788
Yxy	82.9670, 0.3173, 0.3457
Android (android.graphics.Color)	4293324510 (0xFFE6EEDE)
YUV	233.7840, -5.8095, -3.3186
Hunter-Lab	91.0862, -10.2037, 11.1225

Details

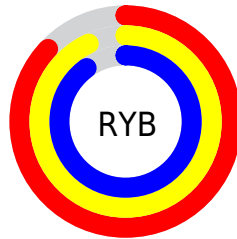
The CIELCh color **93, 8.738, 128.788** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89, 8.836, 309.358**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 8.686, 129.888** is the 20% darker color. If you saturate the color by 10%, you get **92, 21.764, 128.319**, and if you desaturate by 10%, it is **94, 4.246, 309.180**.

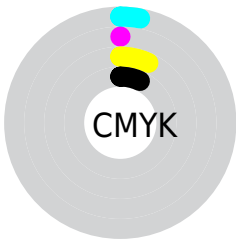
Distribution



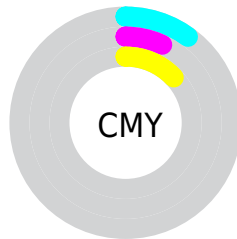
- Red (90%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (90%)



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



- Cyan (10%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 8.738, 128.788 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, 8.738, 128.788 by changing the saturation by 10% instead.

93, 8.738, 128.788

93, 8.738, 128.788

100, 8.738,
128.788

83, 8.738, 128.788

73, 8.738, 128.788

63, 8.738, 128.788

53, 8.738, 128.788

43, 8.738, 128.788

33, 8.738, 128.788

23, 8.738, 128.788

13, 8.738, 128.788

3, 8.738, 128.788

93, 8.738, 128.788

93, 8.738, 128.788

92, 21.764,
128.319

94, 4.246, 309.180

90, 34.730,
127.830

96, 10.518,
322.285

89, 47.505,
127.342

96, 10.817,
324.789

88, 59.893,
126.886

87, 71.610,
126.517

86, 82.254,
126.321

86, 91.297,
126.412

85, 98.179,
126.922

■ 85, 102.585,
127.933

Harmonies

Complementary

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



93, 8.738, 128.788



89, 8.836, 309.358

Rectangle

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



93, 8.738, 128.788



93, 8.738, 178.788



93, 8.738, 308.788



93, 8.738, 358.788

Sweetspot

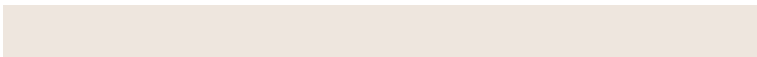
The Sweet Spot groups the original color and five complimentary colors.



93, 8.740, 128.793



100, 2.738, 129.039



92, 5.027, 74.516



53, 1.556, 129.046



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, 8.740, 128.793



99, 11.002, 128.732



92, 10.092, 144.081



50, 7.435, 128.664



67, 85.235, 128.042



20, 35.134, 127.008

Inverse Universe

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



89, 8.836, 309.358



94, 11.136, 309.420



90, 10.112, 324.783



46, 7.538, 309.490



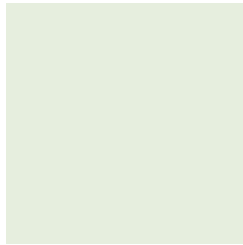
29, 97.491, 311.906



5, 39.633, 312.072

Previews

White Background



This preview shows how the CIELCh color 93, 8.738, 128.788 looks on a white background.

Color Contrast Check

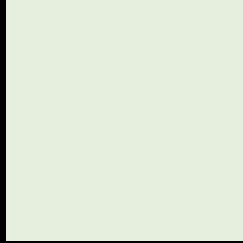
Large Text (above 18pt) WCAG AA × Fail

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, 8.738, 128.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

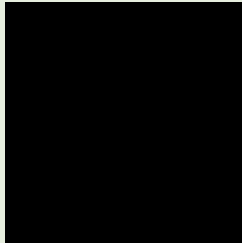
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

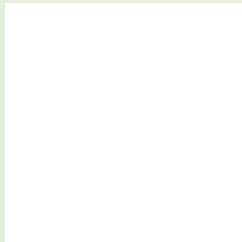
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 8.738, 128.788

Background



This preview shows how black text looks on a background with the CIELCh color 93, 8.738, 128.788.

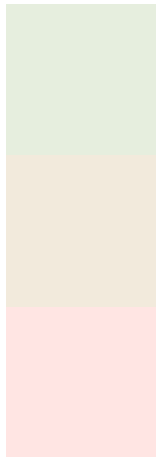


This preview shows how white text looks on a background with the CIELCh color 93, 8.738, 128.788.

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, 8.738, 128.788

Protanopia

93, 7.751, 87.439

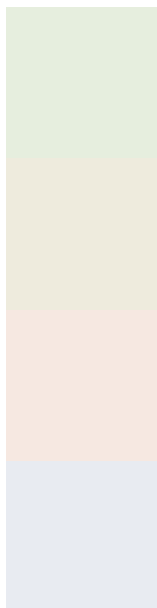
Deuteranopia

93, 9.533, 26.163



Tritanopia
93, 9.830, 292.957

Trichromacy



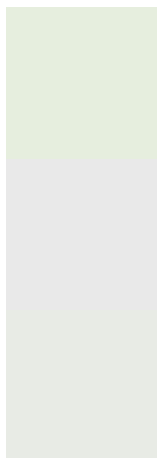
Original Color
93, 8.738, 128.788

Protanomaly
93, 7.268, 100.964

Deuteranomaly
93, 6.217, 54.929

Tritanomaly
93, 3.260, 271.679

Monochromacy



Original Color
93, 8.738, 128.788

Achromatopsia
92, 0.011, 296.813

Achromatomaly
93, 3.274, 128.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 8.738, 128.788 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(230, 238, 222)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 222)  
}
```

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(230, 238, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 8.738, 128.788 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(230, 238, 222) }
```

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

```
.border{ border-color:rgb(230, 238, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 238, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 238, 222); box-shadow:4px 4px 4px 4px rgb(230, 238, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 8.738, 128.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 222) }
```

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

```
.background{ background-color: rgb(230,  
238, 222) }
```

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