

Converting Colors

CIELCh(93, 8.071, 109.531)

Have a look what the booklet for
CIELCh(93, 8.071, 109.531) contains.

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Color

CIELCh(93, 8.219, 109.516)

Conversions

Conversions Part 1

Format	Color
Hex	ECECDC
RGB	236, 236, 220
RGB Percent	93%, 93%, 86%
CMY	0.0746, 0.0746, 0.1374
CMYK	0.00, 0.00, 0.07, 0.07
HSL	60°, 30%, 89%
HSV	60°, 7%, 93%
XYZ	77.4832, 82.9670, 79.6197
YIQ	234.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

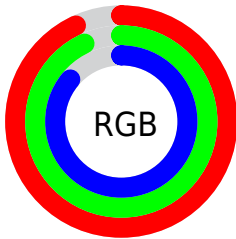
Format	Color
R _Y B	220, 236, 220
Decimal	15527132
CIE Lab	93.00, -2.75, 7.75
CIE LCh	93, 8.219, 109.516
Yxy	82.9670, 0.3228, 0.3456
Android (android.graphics.Color)	4293717212 (0xFFECECDC)
YUV	234.1760, -6.9888, 1.5996
Hunter-Lab	91.0862, -7.5586, 11.9342

Details

The CIELCh color **93, 8.219, 109.516** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88, 8.362, 290.884**, 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, 8.106, 109.381** is the 20% darker color. If you saturate the color by 10%, you get **92, 20.304, 108.559**, and if you desaturate by 10%, it is **94, 3.921, 290.514**.

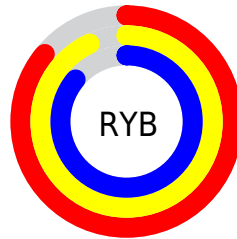
Distribution



Red (93%)

Green (93%)

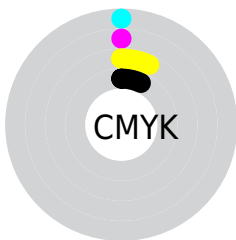
Blue (86%)



Red (86%)

Yellow (93%)

Blue (86%)

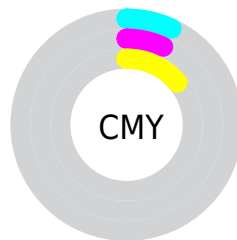


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 8.219, 109.516 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, 8.219, 109.516 by changing the saturation by 10% instead.

93, 8.219, 109.516

93, 8.219, 109.516

100, 8.219,
109.516

83, 8.219, 109.516

73, 8.219, 109.516

63, 8.219, 109.516

53, 8.219, 109.516

43, 8.219, 109.516

33, 8.219, 109.516

23, 8.219, 109.516

13, 8.219, 109.516

3, 8.219, 109.516

93, 8.219, 109.516

93, 8.219, 109.516

92, 20.304,
108.559

94, 3.921, 290.514

92, 32.250,
107.585

94, 9.808, 290.966

92, 43.938,
106.629

94, 9.808, 290.980

91, 55.179,
105.712

94, 9.808, 291.006

91, 65.683,
104.865

94, 9.808, 291.019


91, 75.027,
104.124

94, 9.808, 291.046

91, 82.660,
103.531

94, 9.808, 291.059

91, 88.016,
103.122

 91, 90.809,
102.913

Harmonies

Complementary

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



93, 8.219, 109.516



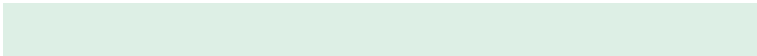
88, 8.362, 290.884

Rectangle

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



93, 8.219, 109.516



93, 8.219, 159.516



93, 8.219, 289.516



93, 8.219, 339.516

Sweetspot

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



93, 8.221, 109.527



100, 2.575, 109.967



89, 5.821, 19.720



53, 1.464, 109.975



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, 8.221, 109.527



100, 10.326, 109.407



92, 8.754, 128.785



49, 6.852, 109.270



71, 74.937, 102.869



21, 30.655, 103.480

Inverse Universe

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



88, 8.362, 290.884



93, 10.528, 291.018



89, 8.850, 309.355



45, 7.006, 291.175



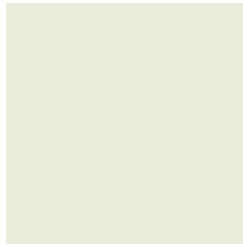
21, 103.473, 306.288



2, 35.735, 297.757

Previews

White Background



This preview shows how the CIELCh color 93, 8.219, 109.516 looks on a white background.

Color Contrast Check

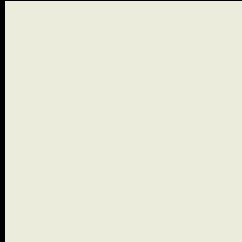
Large Text (above 18pt) WCAG AA × Fail

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, 8.219, 109.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

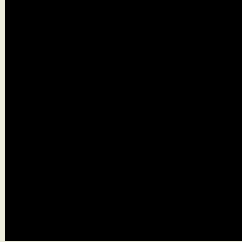
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

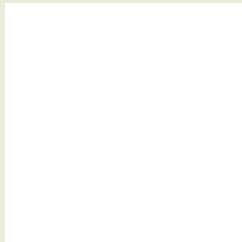
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 8.219, 109.516

Background



This preview shows how black text looks on a background with the CIELCh color 93, 8.219, 109.516.

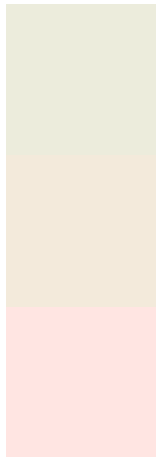


This preview shows how white text looks on a background with the CIELCh color 93, 8.219, 109.516.

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

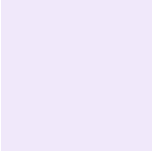
93, 8.219, 109.516

Protanopia

93, 8.368, 86.358

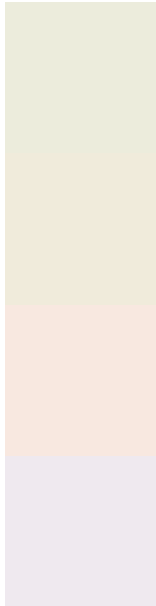
Deuteranopia

93, 9.617, 29.186



Tritanopia
93, 9.744, 307.434

Trichromacy



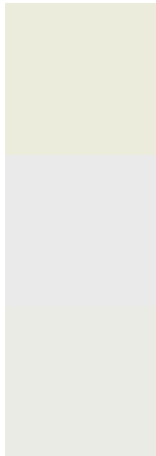
Original Color
93, 8.219, 109.516

Protanomaly
93, 8.409, 96.968

Deuteranomaly
93, 7.124, 54.851

Tritanomaly
93, 3.781, 324.502

Monochromacy



Original Color
93, 8.219, 109.516

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 3.080, 109.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 8.219, 109.516 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, 236, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 220)  
}
```

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, 236, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 8.219, 109.516 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, 236, 220) }
```

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

```
.border{ border-color:rgb(236, 236, 220) }
```

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

Here you see how a box with a 4 pixel rgb(236, 236, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 8.219, 109.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 220) }
```

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

```
.background{ background-color: rgb(236,  
236, 220) }
```

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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