

Converting Colors

CIELCh(93, 3.635, 108.454)

Have a look what the booklet for
CIELCh(93, 3.635, 108.454) contains.

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Color

CIELCh(93, 3.608, 104.165)

Conversions

Conversions Part 1

Format	Color
Hex	ECEBE4
RGB	236, 235, 228
RGB Percent	93%, 92%, 89%
CMY	0.0739, 0.0778, 0.1053
CMYK	0.00, 0.00, 0.03, 0.07
HSL	53°, 18%, 91%
HSV	53°, 3%, 93%
XYZ	78.4139, 82.9670, 85.3855
YIQ	234.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

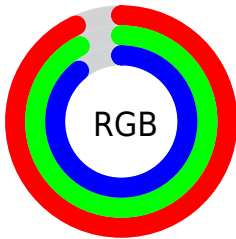
Format	Color
R_{YB}	229, 236, 228
Decimal	15526884
CIE Lab	93.00, -0.88, 3.50
CIE LCh	93, 3.608, 104.165
Yxy	82.9670, 0.3178, 0.3362
Android (android.graphics.Color)	4293716964 (0xFFECEBE4)
YUV	234.5010, -3.2050, 1.3146
Hunter-Lab	91.0862, -5.7346, 8.1811

Details

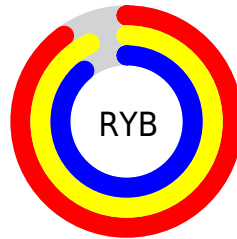
The CIELCh color **93, 3.608, 104.165** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 3.649, 284.990**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 3.260, 103.184** is the 20% darker color. If you saturate the color by 10%, you get **92, 14.317, 103.141**, and if you desaturate by 10%, it is **94, 7.061, 285.295**.

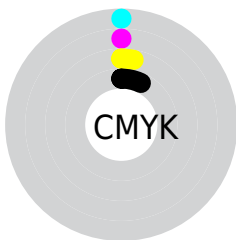
Distribution



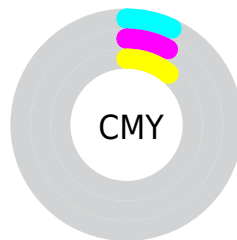
- Red (93%)
- Green (92%)
- Blue (89%)



- Red (90%)
- Yellow (93%)
- Blue (89%)



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



- Cyan (7%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 3.608, 104.165 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, 3.608, 104.165 by changing the saturation by 10% instead.

93, 3.608, 104.165

93, 3.608, 104.165

100, 3.608,
104.165

83, 3.608, 104.165

73, 3.608, 104.165

63, 3.608, 104.165

53, 3.608, 104.165

43, 3.608, 104.165

33, 3.608, 104.165

23, 3.608, 104.165

13, 3.608, 104.165

3, 3.608, 104.165

93, 3.608, 104.165

93, 3.608, 104.165

92, 14.317,
103.141

94, 7.061, 285.295

90, 25.017,
102.040

95, 7.342, 277.572

89, 35.637,
100.923

96, 6.216, 265.078

88, 46.050, 99.803

97, 5.342, 228.832

87, 56.048, 98.693

98, 5.796, 210.415

86, 65.292, 97.610

99, 6.465, 199.098

85, 73.272, 96.567

84, 79.315, 95.569

84, 82.789, 94.602

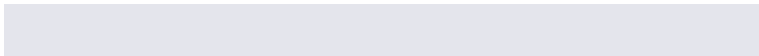
Harmonies

Complementary

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



93, 3.608, 104.165



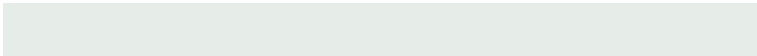
91, 3.649, 284.990

Rectangle

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



93, 3.608, 104.165



93, 3.608, 154.165



93, 3.608, 284.165



93, 3.608, 334.165

Sweetspot

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



93, 3.610, 104.193



100, 1.125, 104.357



91, 2.926, 8.545



53, 0.640, 104.355



0, 0.000, 0.000



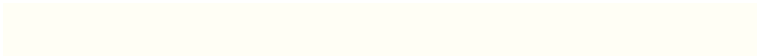
53, 0.007, 296.813

Same Dimension

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



93, 3.610, 104.193



99, 4.539, 104.131



93, 4.252, 124.129



49, 3.014, 104.060



65, 68.788, 94.133



19, 27.438, 96.008

Inverse Universe

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



91, 3.649, 284.990



97, 4.588, 285.054



91, 4.296, 304.437



47, 3.048, 285.130



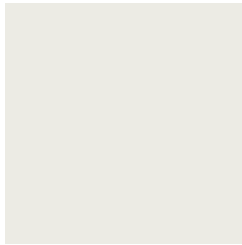
23, 96.893, 304.448



4, 32.656, 295.325

Previews

White Background



This preview shows how the CIE LCh color 93, 3.608, 104.165 looks on a white background.

Color Contrast Check

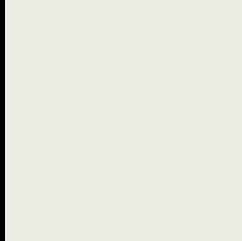
Large Text (above 18pt) WCAG AA × Fail

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, 3.608, 104.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

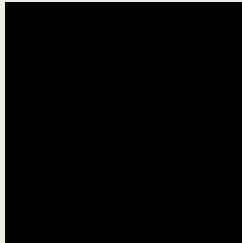
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

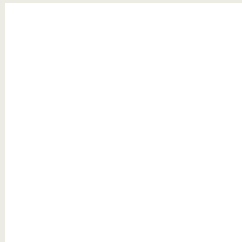
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 3.608, 104.165

Background



This preview shows how black text looks on a background with the CIELCh color 93, 3.608, 104.165.

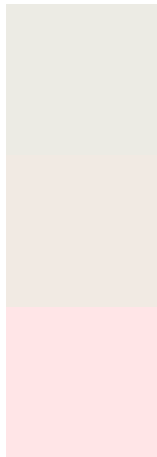


This preview shows how white text looks on a background with the CIELCh color 93, 3.608, 104.165.

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, 3.608, 104.165

Protanopia

93, 4.376, 74.615

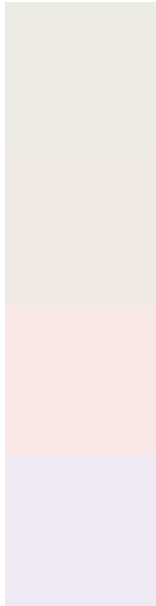
Deuteranopia

93, 9.477, 13.796



Tritanopia
93, 9.648, 305.455

Trichromacy



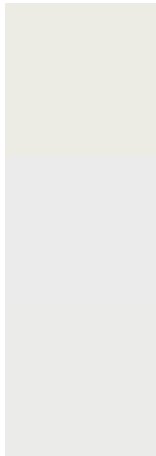
Original Color
93, 3.608, 104.165

Protanomaly
93, 4.007, 83.152

Deuteranomaly
93, 6.156, 24.509

Tritanomaly
93, 4.996, 311.111

Monochromacy



Original Color
93, 3.608, 104.165

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 1.019, 110.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 3.608, 104.165 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, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 228)  
}
```

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, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 3.608, 104.165 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, 235, 228) }
```

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

```
.border{ border-color:rgb(236, 235, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 3.608, 104.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 228) }
```

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

```
.background{ background-color: rgb(236,  
235, 228) }
```

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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