

Converting Colors

CIELCh(95, 3.758, 231.728)

Have a look what the booklet for
CIELCh(95, 3.758, 231.728) contains.

CIELCh(95, 3.711, 233.065)	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(95, 3.711, 233.065)

Conversions

Conversions Part 1

Format	Color
Hex	E9F2F6
RGB	233, 242, 246
RGB Percent	91%, 95%, 96%
CMY	0.0856, 0.0503, 0.0346
CMYK	0.05, 0.02, 0.00, 0.03
HSL	198°, 42%, 94%
HSV	198°, 5%, 97%
XYZ	82.1196, 87.6183, 99.9066
YIQ	239.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

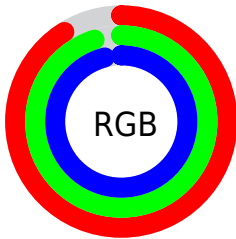
Format	Color
R _Y B	233, 238, 246
Decimal	15332086
CIE Lab	95.00, -2.23, -2.97
CIE LCh	95, 3.711, 233.065
Yxy	87.6183, 0.3045, 0.3249
Android (android.graphics.Color)	4293522166 (0xFFE9F2F6)
YUV	239.7650, 3.0739, -5.9329
Hunter-Lab	93.6047, -7.2097, 2.2416

Details

The CIELCh color `95, 3.711, 233.065` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `94, 3.808, 51.956`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 3.884, 233.150` is the 20% darker color. If you saturate the color by 10%, you get `91, 10.511, 233.830`, and if you desaturate by 10%, it is `98, 2.581, 63.848`.

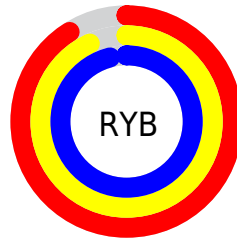
Distribution



Red (91%)

Green (95%)

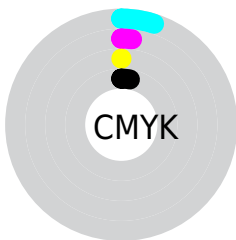
Blue (96%)



Red (91%)

Yellow (93%)

Blue (96%)

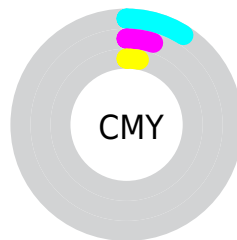


Cyan (5%)

Magenta (2%)

Yellow (0%)

Black (3%)



Cyan (9%)

Magenta (5%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 3.711, 233.065 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 95, 3.711, 233.065 by changing the saturation by 10% instead.



95, 3.711, 233.065

95, 3.711, 233.065

91, 10.511,
233.830

98, 2.581, 63.848

88, 16.962,
234.957

100, 4.467,
109.827

84, 22.982,
236.403

81, 28.488,
238.239

78, 33.412,
240.550

75, 37.713,
243.431

72, 41.402,
246.964

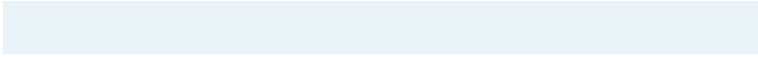
70, 44.566,
251.195

■ 67, 47.378,
256.078

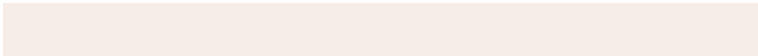
Harmonies

Complementary

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



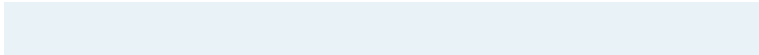
95, 3.711, 233.065



94, 3.808, 51.956

Rectangle

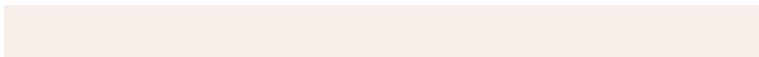
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 3.711, 233.065



95, 3.711, 283.065



95, 3.711, 53.065



95, 3.711, 103.065

Sweetspot

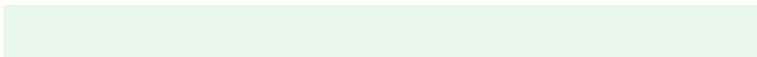
The Sweet Spot groups the original color and five complimentary colors.



95, 3.711, 233.028



99, 1.458, 233.030



96, 6.574, 153.982



53, 0.829, 233.044



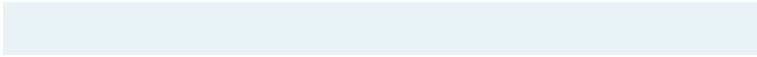
0, 0.000, 0.000



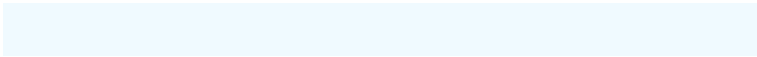
53, 0.007, 296.813

Same Dimension

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



95, 3.711, 233.028



98, 4.331, 233.068



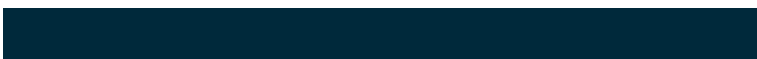
93, 5.429, 281.052



50, 2.775, 233.106



51, 39.128, 257.514



15, 16.386, 249.697

Inverse Universe

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



94, 6.570, 334.888



96, 7.684, 334.947



96, 5.380, 99.771



49, 4.931, 334.995



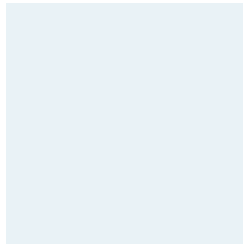
41, 72.522, 345.446



10, 33.113, 342.515

Previews

White Background



This preview shows how the CIELCh color 95, 3.711, 233.065 looks on a white background.

Color Contrast Check

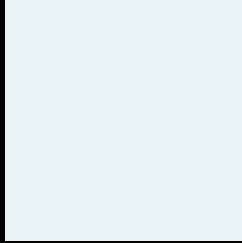
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 95, 3.711, 233.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

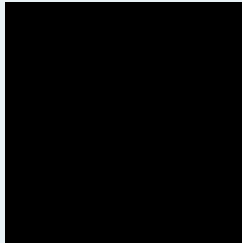
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

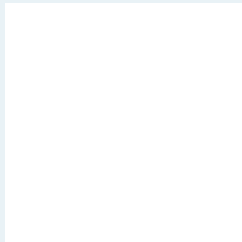
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 3.711, 233.065

Background



This preview shows how black text looks on a background with the CIELCh color 95, 3.711, 233.065.

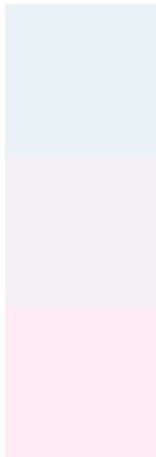


This preview shows how white text looks on a background with the CIELCh color 95, 3.711, 233.065.

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

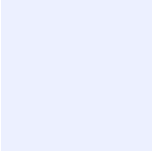
95, 3.711, 233.065

Protanopia

95, 2.953, 318.821

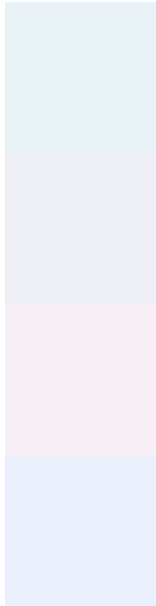
Deuteranopia

95, 9.093, 341.628



Tritanopia
95, 7.810, 280.681

Trichromacy



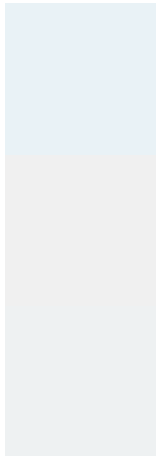
Original Color
95, 3.711, 233.065

Protanomaly
95, 2.596, 282.668

Deuteranomaly
95, 5.223, 327.760

Tritanomaly
95, 5.985, 270.454

Monochromacy



Original Color
95, 3.711, 233.065

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 1.168, 226.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 3.711, 233.065 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, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 246)  
}
```

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, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 3.711, 233.065 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, 242, 246) }
```

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

```
.border{ border-color:rgb(233, 242, 246) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 3.711, 233.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 246) }
```

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

```
.background{ background-color: rgb(233,  
242, 246) }
```

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