

Converting Colors

CIELCh(96, 5.532, 199.163)

Have a look what the booklet for
CIELCh(96, 5.532, 199.163) contains.

CIELCh(96, 5.532, 199.163)	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(96, 5.532, 199.163)

Conversions

Conversions Part 1

Format	Color
Hex	E7F7F7
RGB	231, 247, 247
RGB Percent	91%, 97%, 97%
CMY	0.0951, 0.0324, 0.0324
CMYK	0.06, 0.00, 0.00, 0.03
HSL	180°, 49%, 94%
HSV	180°, 6%, 97%
XYZ	82.8017, 90.0078, 100.7941
YIQ	242.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

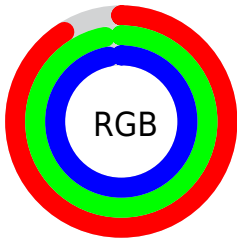
Format	Color
R _Y B	231, 239, 247
Decimal	15202295
CIE Lab	96.00, -5.23, -1.82
CIE LCh	96, 5.532, 199.163
Yxy	90.0078, 0.3026, 0.3290
Android (android.graphics.Color)	4293392375 (0xFFE7F7F7)
YUV	242.2160, 2.3585, -9.8364
Hunter-Lab	94.8724, -10.2376, 3.4200

Details

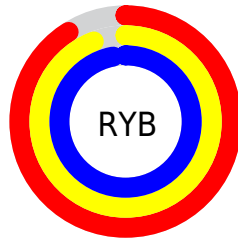
The CIELCh color **96, 5.532, 199.163** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 5.764, 19.678**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 5.781, 199.043** is the 20% darker color. If you saturate the color by 10%, you get **94, 13.692, 198.549**, and if you desaturate by 10%, it is **98, 2.918, 19.355**.

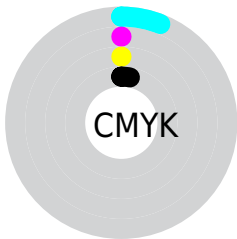
Distribution



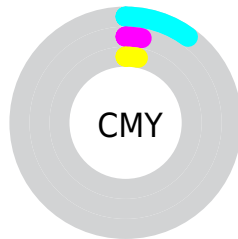
- Red (91%)
- Green (97%)
- Blue (97%)



- Red (91%)
- Yellow (94%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.532, 199.163 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 96, 5.532, 199.163 by changing the saturation by 10% instead.

96, 5.532, 199.163

96, 5.532, 199.163

100, 5.532,
199.163

86, 5.532, 199.163

76, 5.532, 199.163

66, 5.532, 199.163

56, 5.532, 199.163

46, 5.532, 199.163

36, 5.532, 199.163

26, 5.532, 199.163

16, 5.532, 199.163

6, 5.532, 199.163

96, 5.532, 199.163

96, 5.532, 199.163

94, 13.692,
198.549

98, 2.918, 19.355

93, 21.273,
198.052

98, 2.919, 19.296

92, 28.132,
197.618

98, 2.919, 19.238

91, 34.134,
197.245

98, 2.919, 19.121

90, 39.159,
196.938

98, 2.919, 19.063


89, 43.125,
196.699

98, 2.919, 18.946

89, 46.001,
196.526

98, 2.919, 18.888

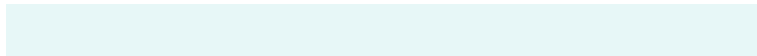
89, 47.823,
196.416

 89, 48.707,
196.361

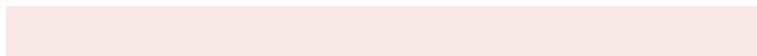
Harmonies

Complementary

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



96, 5.532, 199.163



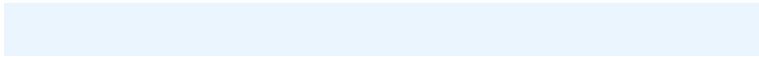
93, 5.764, 19.678

Rectangle

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



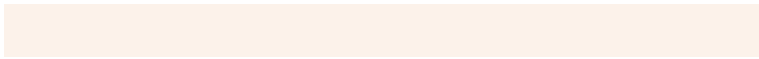
96, 5.532, 199.163



96, 5.532, 249.163



96, 5.532, 19.163



96, 5.532, 69.163

Sweetspot

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



96, 5.533, 199.143



100, 1.770, 199.647



96, 9.964, 143.662



53, 1.006, 199.672



0, 0.000, 0.000



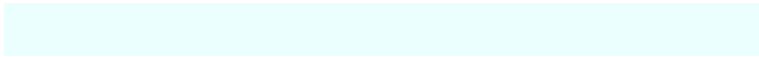
53, 0.007, 296.813

Same Dimension

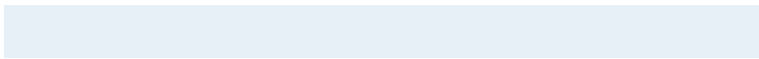
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 5.533, 199.143



99, 6.985, 199.038



94, 4.861, 254.499



50, 4.783, 198.945



69, 39.567, 196.350



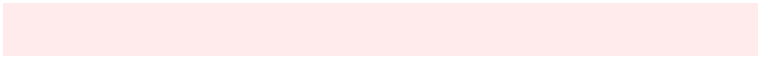
22, 17.592, 196.355

Inverse Universe

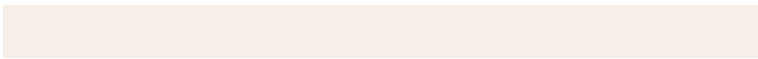
The Inverse Universe completely reimagines the original color for something new.



93, 5.764, 19.678



94, 7.349, 19.803



95, 4.935, 72.724



48, 5.080, 19.921



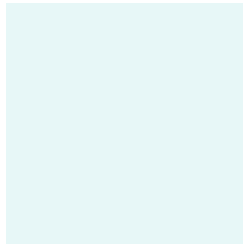
39, 82.539, 39.990



8, 31.023, 24.998

Previews

White Background



This preview shows how the CIELCh color 96, 5.532, 199.163 looks on a white background.

Color Contrast Check

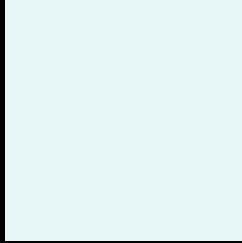
Large Text (above 18pt) WCAG AA × Fail

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 96, 5.532, 199.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

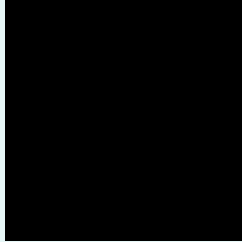
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

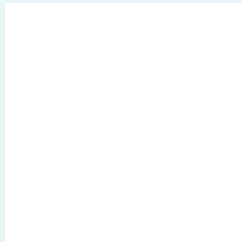
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.532, 199.163

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.532, 199.163.

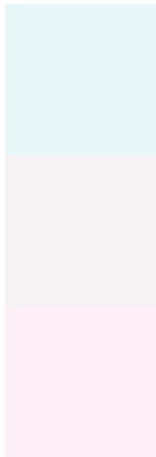


This preview shows how white text looks on a background with the CIELCh color 96, 5.532, 199.163.

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

96, 5.532, 199.163

Protanopia

96, 2.056, 349.342

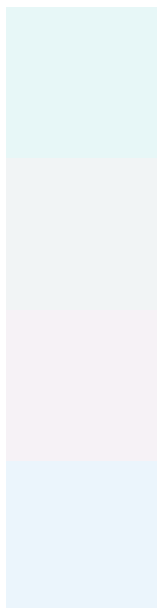
Deuteranopia

96, 6.732, 347.637



Tritanopia
96, 5.971, 270.445

Trichromacy



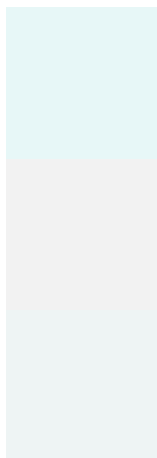
Original Color
96, 5.532, 199.163

Protanomaly
96, 1.166, 226.017

Deuteranomaly
96, 2.509, 324.412

Tritanomaly
96, 4.928, 246.175

Monochromacy



Original Color
96, 5.532, 199.163

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.098, 199.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.532, 199.163 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(231, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 247)  
}
```

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(231, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.532, 199.163 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(231, 247, 247) }
```

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

```
.border{ border-color:rgb(231, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(231, 247,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.532, 199.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 247) }
```

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

```
.background{ background-color: rgb(231,  
247, 247) }
```

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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