

Converting Colors

CIELCh(96, 4.415, 260.001)

Have a look what the booklet for
CIELCh(96, 4.415, 260.001) contains.

CIELCh(96, 4.566, 263.544)	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, 4.566, 263.544)

Conversions

Conversions Part 1

Format	Color
Hex	EEF4FC
RGB	238, 244, 252
RGB Percent	93%, 96%, 99%
CMY	0.0662, 0.0426, 0.0113
CMYK	0.06, 0.03, 0.00, 0.01
HSL	214°, 71%, 96%
HSV	214°, 6%, 99%
XYZ	85.2771, 90.0078, 105.0746
YIQ	243.1180, -6.1440, 1.2160

Conversions

Conversions Part 2

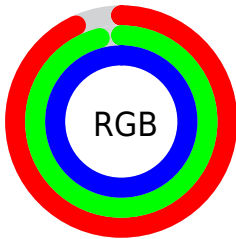
Format	Color
R _Y B	238, 242, 252
Decimal	15660284
CIE Lab	96.00, -0.51, -4.54
CIE LCh	96, 4.566, 263.544
Yxy	90.0078, 0.3042, 0.3210
Android (android.graphics.Color)	4293850364 (0xFFEEF4FC)
YUV	243.1180, 4.3788, -4.4885
Hunter-Lab	94.8724, -5.5802, 0.7449

Details

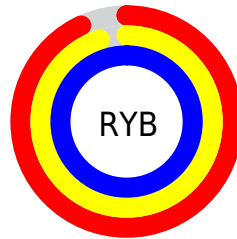
The CIELCh color **96, 4.566, 263.544** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 4.584, 81.927**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 4.316, 260.402** is the 20% darker color. If you saturate the color by 10%, you get **91, 12.787, 264.950**, and if you desaturate by 10%, it is **100, 1.448, 110.016**.

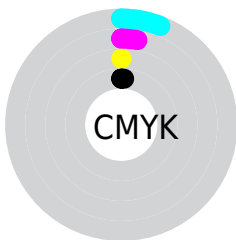
Distribution



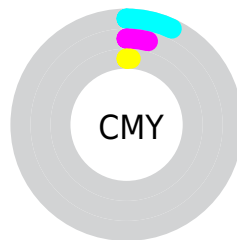
- Red (93%)
- Green (96%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 4.566, 263.544 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, 4.566, 263.544 by changing the saturation by 10% instead.

 96, 4.566, 263.544

 96, 4.566, 263.544

 100, 4.566,
263.544

 86, 4.566, 263.544

 76, 4.566, 263.544

 66, 4.566, 263.544

 56, 4.566, 263.544

 46, 4.566, 263.544

 36, 4.566, 263.544

 26, 4.566, 263.544

 16, 4.566, 263.544

 6, 4.566, 263.544

96, 4.566, 263.544

96, 4.566, 263.544

91, 12.787,
264.950

100, 1.448,
110.016

85, 21.020,
266.686

80, 29.251,
268.743

75, 37.479,
271.172

69, 45.719,
274.021

64, 54.011,
277.316

60, 62.424,
281.039

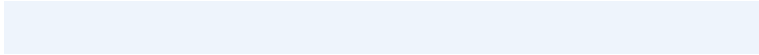
55, 71.033,
285.100

■ 51, 79.875,
289.317

Harmonies

Complementary

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



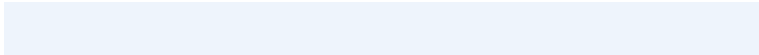
96, 4.566, 263.544



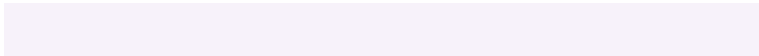
97, 4.584, 81.927

Rectangle

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



96, 4.566, 263.544



96, 4.566, 313.544



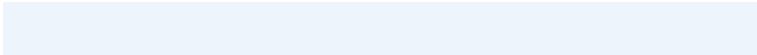
96, 4.566, 83.544



96, 4.566, 133.544

Sweetspot

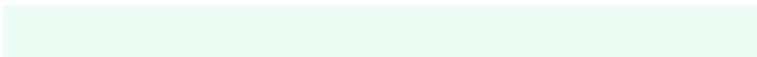
The Sweet Spot groups the original color and five complimentary colors.



96, 4.565, 263.518



99, 1.664, 263.189



98, 5.815, 167.011



53, 0.946, 263.187



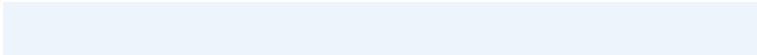
0, 0.000, 0.000



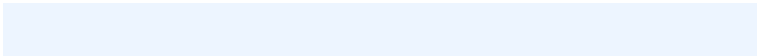
53, 0.007, 296.813

Same Dimension

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



96, 4.565, 263.518



96, 5.806, 263.702



95, 7.220, 293.303



50, 3.711, 263.780



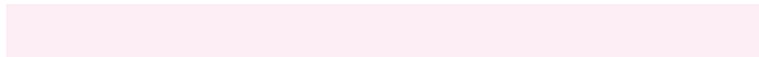
37, 66.215, 290.356



10, 26.054, 284.064

Inverse Universe

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



95, 5.865, 348.074



95, 7.477, 348.225



99, 7.114, 112.317



49, 4.782, 348.284



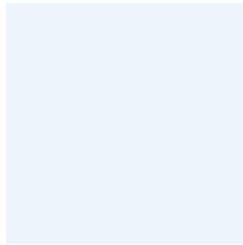
40, 67.386, 8.947



10, 30.577, 1.994

Previews

White Background



This preview shows how the CIE LCh color 96, 4.566, 263.544 looks on a white background.

Color Contrast Check

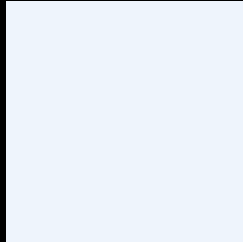
Large Text (above 18pt) WCAG AA × Fail

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, 4.566, 263.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

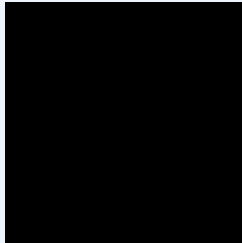
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

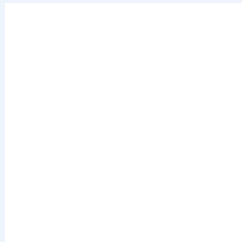
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 4.566, 263.544

Background



This preview shows how black text looks on a background with the CIELCh color 96, 4.566, 263.544.

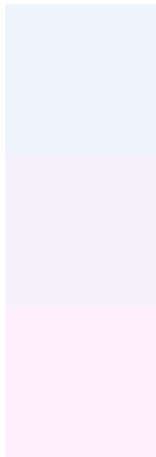


This preview shows how white text looks on a background with the CIELCh color 96, 4.566, 263.544.

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, 4.566, 263.544

Protanopia

96, 4.753, 303.229

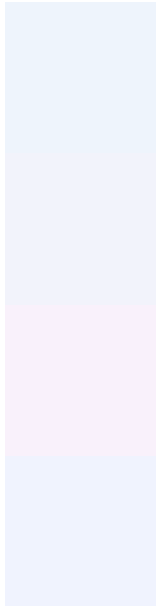
Deuteranopia

96, 8.008, 335.179



Tritanopia
96, 6.184, 284.270

Trichromacy



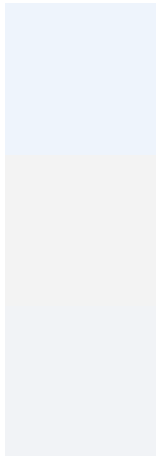
Original Color
96, 4.566, 263.544

Protanomaly
96, 4.117, 285.677

Deuteranomaly
96, 5.877, 318.946

Tritanomaly
96, 5.722, 280.218

Monochromacy



Original Color
96, 4.566, 263.544

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 1.688, 265.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 4.566, 263.544 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(238, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(238, 244, 252)  
}
```

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(238, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 4.566, 263.544 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(238, 244, 252) }
```

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

```
.border{ border-color:rgb(238, 244, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 244, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 244, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 244, 252);  
box-shadow:4px 4px 4px 4px rgb(238, 244,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 4.566, 263.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 244, 252) }
```

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

```
.background{ background-color: rgb(238,  
244, 252) }
```

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