

Converting Colors

CIE LCh(96, 3.364, 242.496)

Have a look what the booklet for
CIELCh(96, 3.364, 242.496) contains.

CIELCh(96, 3.423, 236.273)	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, 3.423, 236.273)

Conversions

Conversions Part 1

Format	Color
Hex	EDF5F9
RGB	237, 245, 249
RGB Percent	93%, 96%, 98%
CMY	0.0712, 0.0399, 0.0242
CMYK	0.05, 0.02, 0.00, 0.02
HSL	200°, 49%, 95%
HSV	200°, 5%, 98%
XYZ	84.5433, 90.0078, 102.4019
YIQ	243.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

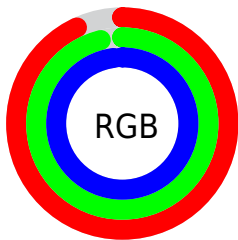
Format	Color
R _{YB}	237, 242, 249
Decimal	15595001
CIE Lab	96.00, -1.90, -2.85
CIE LCh	96, 3.423, 236.273
Yxy	90.0078, 0.3053, 0.3250
Android (android.graphics.Color)	4293785081 (0xFFEDF5F9)
YUV	243.0640, 2.9264, -5.3181
Hunter-Lab	94.8724, -6.9608, 2.4152

Details

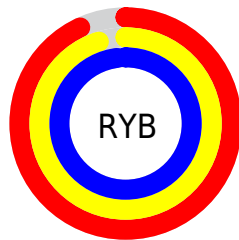
The CIELCh color `96, 3.423, 236.273` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `96, 3.496, 55.109`, and the grayscale version is `96, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `76, 3.582, 236.357` is the 20% darker color. If you saturate the color by 10%, you get `92, 10.318, 237.126`, and if you desaturate by 10%, it is `99, 2.259, 92.969`.

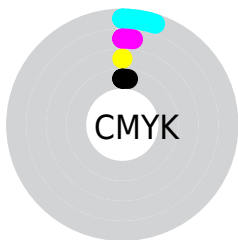
Distribution



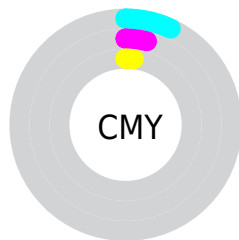
- Red (93%)
- Green (96%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (4%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 3.423, 236.273 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, 3.423, 236.273 by changing the saturation by 10% instead.

 96, 3.423, 236.273

 96, 3.423, 236.273

 100, 3.423,
236.273

 86, 3.423, 236.273

 76, 3.423, 236.273

 66, 3.423, 236.273

 56, 3.423, 236.273

 46, 3.423, 236.273

 36, 3.423, 236.273

 26, 3.423, 236.273

 16, 3.423, 236.273

 6, 3.423, 236.273

96, 3.423, 236.273

96, 3.423, 236.273

92, 10.318,
237.126

99, 2.259, 92.969

88, 16.894,
238.362

100, 3.116,
109.920

85, 23.076,
239.929

81, 28.790,
241.895

78, 33.973,
244.347

75, 38.594,
247.375

72, 42.673,
251.052

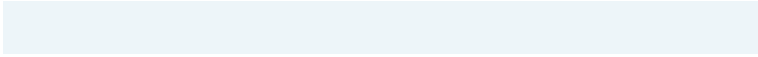
69, 46.303,
255.409

■ 66, 49.661,
260.380

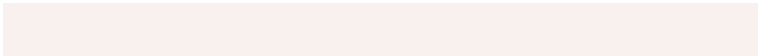
Harmonies

Complementary

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



96, 3.423, 236.273



96, 3.496, 55.109

Rectangle

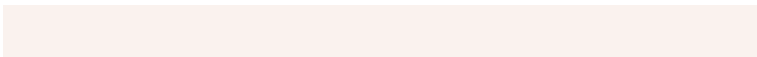
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 3.423, 236.273



96, 3.423, 286.273



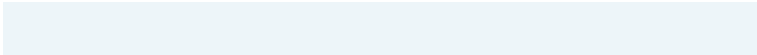
96, 3.423, 56.273



96, 3.423, 106.273

Sweetspot

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



96, 3.423, 236.232



100, 0.733, 236.534



97, 5.978, 154.698



53, 0.417, 236.571



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, 3.423, 236.232



98, 4.334, 236.307



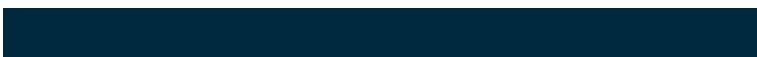
95, 5.090, 281.973



51, 2.824, 236.354



50, 41.330, 262.099



15, 17.436, 254.511

Inverse Universe

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



95, 5.938, 335.921



96, 7.544, 336.020



97, 5.042, 100.813



50, 4.924, 336.071



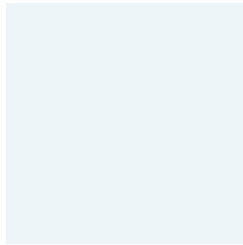
42, 72.121, 347.429



10, 33.487, 344.261

Previews

White Background



This preview shows how the CIELCh color 96, 3.423, 236.273 looks on a white background.

Color Contrast Check

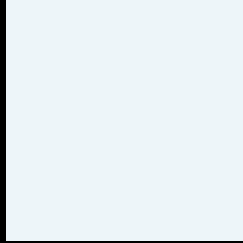
Large Text (above 18pt) WCAG AA × Fail

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, 3.423, 236.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

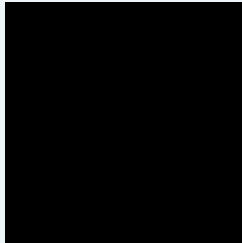
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

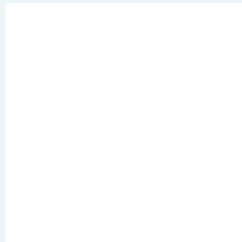
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 3.423, 236.273

Background



This preview shows how black text looks on a background with the CIELCh color 96, 3.423, 236.273.

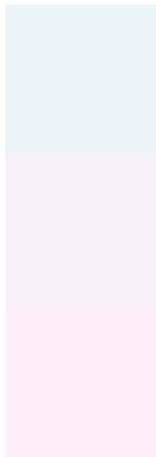


This preview shows how white text looks on a background with the CIELCh color 96, 3.423, 236.273.

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, 3.423, 236.273

Protanopia

96, 2.946, 318.819

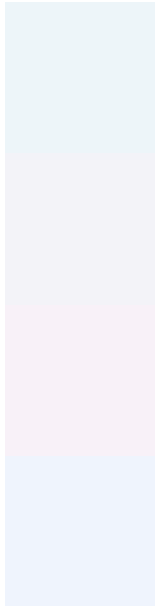
Deuteranopia

96, 7.326, 340.860



Tritanopia
96, 6.184, 284.270

Trichromacy



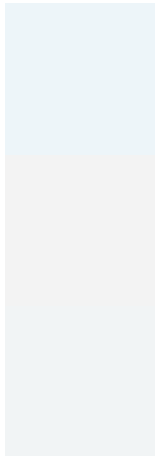
Original Color
96, 3.423, 236.273

Protanomaly
96, 2.571, 290.404

Deuteranomaly
96, 4.381, 324.529

Tritanomaly
96, 4.901, 269.952

Monochromacy



Original Color
96, 3.423, 236.273

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 1.166, 226.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 3.423, 236.273 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(237, 245, 249)` looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 249)  
}
```

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(237, 245, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 3.423, 236.273 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(237, 245, 249) }
```

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

```
.border{ border-color:rgb(237, 245, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 3.423, 236.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 249) }
```

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

```
.background{ background-color: rgb(237,  
245, 249) }
```

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