

Converting Colors

CIE LCh(96, 6.760, 251.000)

Have a look what the booklet for
CIELCh(96, 6.760, 251.000) contains.

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Color

CIELCh(96, 6.501, 251.484)

Conversions

Conversions Part 1

Format	Color
Hex	E9F5FF
RGB	233, 245, 255
RGB Percent	91%, 96%, 100%
CMY	0.0855, 0.0384, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	207°, 100%, 96%
HSV	207°, 9%, 100%
XYZ	84.4568, 90.0078, 107.6917
YIQ	242.5520, -10.3620, 0.5660

Conversions

Conversions Part 2

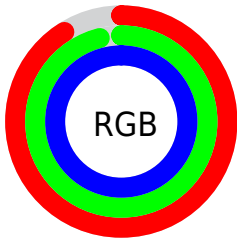
Format	Color
R _Y B	233, 241, 255
Decimal	15332863
CIE Lab	96.00, -2.06, -6.16
CIE LCh	96, 6.501, 251.484
Yxy	90.0078, 0.2993, 0.3190
Android (android.graphics.Color)	4293522943 (0xFFE9F5FF)
YUV	242.5520, 6.1369, -8.3771
Hunter-Lab	94.8724, -7.1234, -0.8906

Details

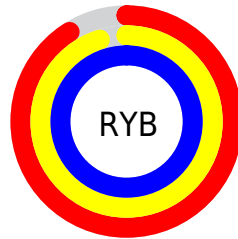
The CIELCh color `96, 6.501, 251.484` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `97, 6.598, 68.709`, and the grayscale version is `96, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `76, 6.395, 248.640` is the 20% darker color. If you saturate the color by 10%, you get `91, 13.796, 252.308`, and if you desaturate by 10%, it is `100, 0.012, 296.813`.

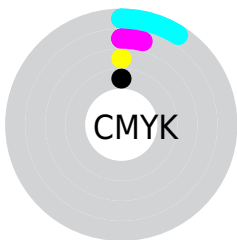
Distribution



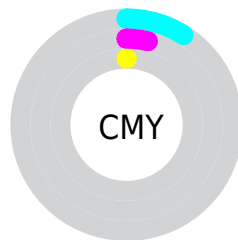
- Red (91%)
- Green (96%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.501, 251.484 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, 6.501, 251.484 by changing the saturation by 10% instead.

 96, 6.501, 251.484

 96, 6.501, 251.484

 100, 6.501,
251.484

 86, 6.501, 251.484

 76, 6.501, 251.484

 66, 6.501, 251.484

 56, 6.501, 251.484

 46, 6.501, 251.484

 36, 6.501, 251.484

 26, 6.501, 251.484

 16, 6.501, 251.484

 6, 6.501, 251.484

96, 6.501, 251.484

96, 6.501, 251.484

91, 13.796,
252.308

100, 0.012,
296.813

87, 20.985,
254.050

82, 27.947,
256.159

78, 34.652,
258.704

74, 41.088,
261.751

70, 47.283,
265.348

66, 53.318,
269.498

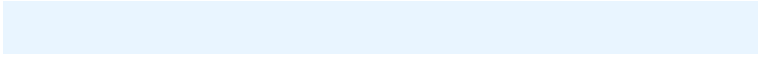
62, 59.324,
274.121

■ 59, 65.469,
278.999

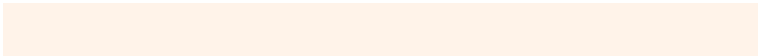
Harmonies

Complementary

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



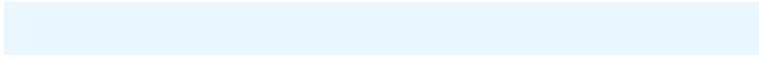
96, 6.501, 251.484



97, 6.598, 68.709

Rectangle

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



96, 6.501, 251.484



96, 6.501, 301.484



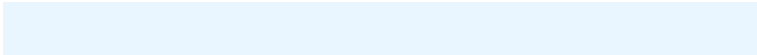
96, 6.501, 71.484



96, 6.501, 121.484

Sweetspot

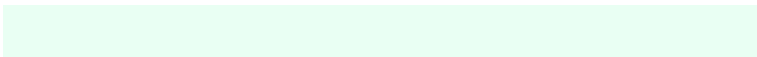
The Sweet Spot groups the original color and five complimentary colors.



96, 6.425, 250.891



99, 2.269, 250.328



98, 9.949, 159.592



52, 1.717, 250.380



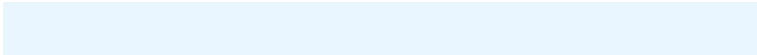
0, 0.000, 0.000



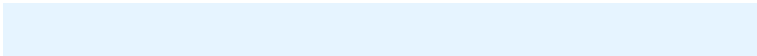
53, 0.007, 296.813

Same Dimension

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



96, 6.425, 250.891



95, 7.501, 251.075



93, 10.508, 288.301



51, 4.267, 251.011



44, 52.621, 278.779



13, 21.677, 271.853

Inverse Universe

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



94, 9.926, 341.667



93, 11.624, 341.795



99, 10.323, 106.481



50, 6.605, 341.752



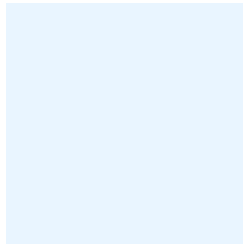
41, 69.057, 357.393



11, 32.434, 352.591

Previews

White Background



This preview shows how the CIELCh color 96, 6.501, 251.484 looks on a white background.

Color Contrast Check

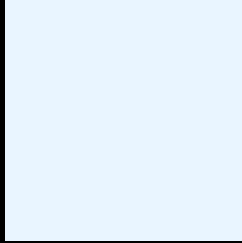
Large Text (above 18pt) WCAG AA × Fail

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, 6.501, 251.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

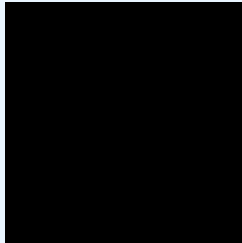
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

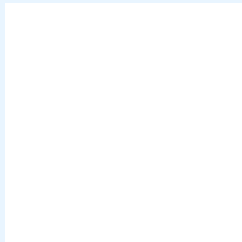
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.501, 251.484

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.501, 251.484.



This preview shows how white text looks on a background with the CIELCh color 96, 6.501, 251.484.

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, 6.501, 251.484

Protanopia

96, 5.757, 301.029

Deuteranopia

96, 8.758, 330.441



Tritanopia
96, 5.971, 270.445

Trichromacy



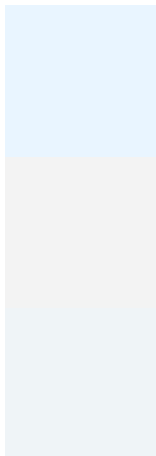
Original Color
96, 6.501, 251.484

Protanomaly
96, 5.676, 283.644

Deuteranomaly
96, 6.533, 309.256

Tritanomaly
96, 6.227, 264.506

Monochromacy



Original Color
96, 6.501, 251.484

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.310, 241.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.501, 251.484 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 255)  
}
```

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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.501, 251.484 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, 245, 255) }
```

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

```
.border{ border-color:rgb(233, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.501, 251.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 255) }
```

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

```
.background{ background-color: rgb(233,  
245, 255) }
```

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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