

Converting Colors

CIELCh(96, 7.893, 238.935)

Have a look what the booklet for
CIELCh(96, 7.893, 238.935) contains.

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Color

CIELCh(96, 7.582, 236.737)

Conversions

Conversions Part 1

Format	Color
Hex	E4F6FF
RGB	228, 246, 255
RGB Percent	89%, 96%, 100%
CMY	0.1041, 0.0335, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	199°, 100%, 95%
HSV	199°, 10%, 100%
XYZ	83.3579, 90.0078, 107.9762
YIQ	241.6440, -13.6170, -1.0170

Conversions

Conversions Part 2

Format	Color
R_{YB}	228, 239, 255
Decimal	15005439
CIE _{Lab}	96.00, -4.16, -6.34
CIE _{LCh}	96, 7.582, 236.737
Yxy	90.0078, 0.2963, 0.3199
Android (android.graphics.Color)	4293195519 (0xFFE4F6FF)
YUV	241.6440, 6.5845, -11.9658
Hunter-Lab	94.8724, -9.1911, -1.0684

Details

The CIELCh color **96, 7.582, 236.737** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.863, 53.391**, 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, 7.607, 233.648** is the 20% darker color. If you saturate the color by 10%, you get **92, 14.289, 236.269**, and if you desaturate by 10%, it is **100, 0.304, 236.222**.

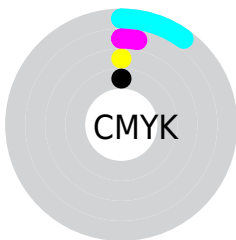
Distribution



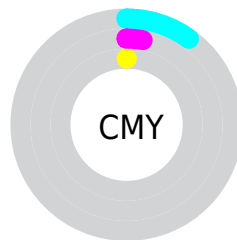
- Red (89%)
- Green (96%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.582, 236.737 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, 7.582, 236.737 by changing the saturation by 10% instead.

 96, 7.582, 236.737

 96, 7.582, 236.737

 100, 7.582,
236.737

 86, 7.582, 236.737

 76, 7.582, 236.737

 66, 7.582, 236.737

 56, 7.582, 236.737

 46, 7.582, 236.737

 36, 7.582, 236.737

 26, 7.582, 236.737

 16, 7.582, 236.737

 6, 7.582, 236.737

96, 7.582, 236.737

96, 7.582, 236.737

92, 14.289,
236.269

100, 0.304,
236.222

89, 20.745,
237.630

100, 0.012,
296.813

85, 26.736,
239.353

82, 32.187,
241.519

78, 37.043,
244.219

75, 41.296,
247.540

72, 45.002,
251.545

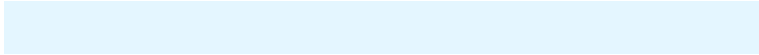
70, 48.302,
256.224

■ 67, 51.323,
261.153

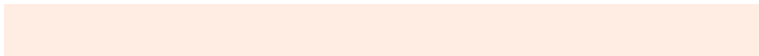
Harmonies

Complementary

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



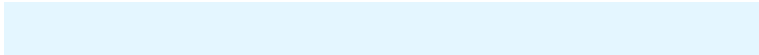
96, 7.582, 236.737



95, 7.863, 53.391

Rectangle

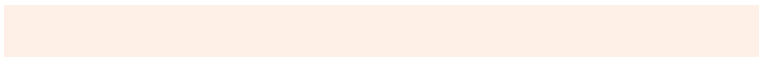
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.582, 236.737



96, 7.582, 286.737



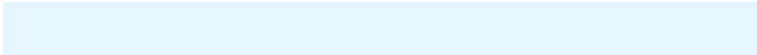
96, 7.582, 56.737



96, 7.582, 106.737

Sweetspot

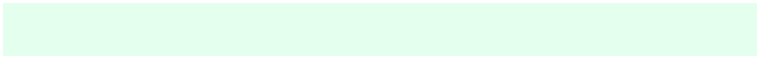
The Sweet Spot groups the original color and five complimentary colors.



96, 7.449, 235.216



99, 2.180, 234.748



98, 13.213, 154.243



53, 1.649, 234.757



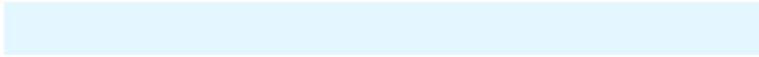
0, 0.000, 0.000



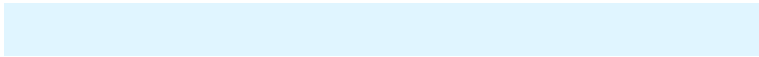
53, 0.007, 296.813

Same Dimension

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



96, 7.449, 235.216



95, 8.559, 235.363



93, 11.292, 282.652



51, 4.076, 235.137



51, 40.934, 260.175



16, 17.700, 253.000

Inverse Universe

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



93, 13.244, 335.877



92, 15.285, 335.998



98, 11.138, 100.195



50, 7.228, 335.808



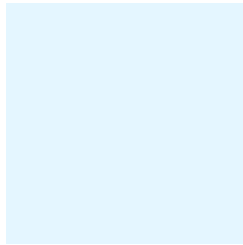
42, 73.326, 346.569



11, 34.569, 343.694

Previews

White Background



This preview shows how the CIELCh color 96, 7.582, 236.737 looks on a white background.

Color Contrast Check

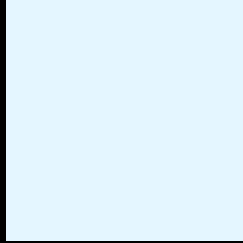
Large Text (above 18pt) WCAG AA × Fail

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, 7.582, 236.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

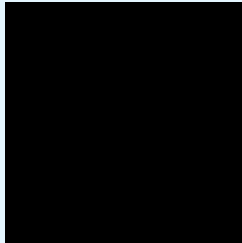
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

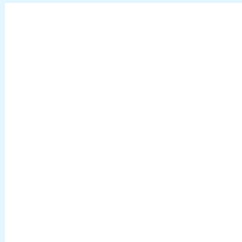
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 7.582, 236.737

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.582, 236.737.



This preview shows how white text looks on a background with the CIELCh color 96, 7.582, 236.737.

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, 7.582, 236.737

Protanopia

96, 5.254, 302.020

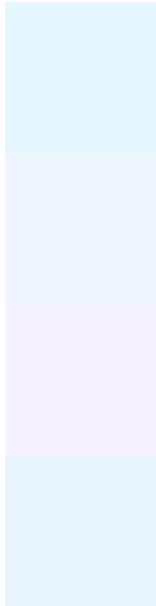
Deuteranopia

96, 9.778, 328.170



Tritanopia
96, 6.227, 264.506

Trichromacy



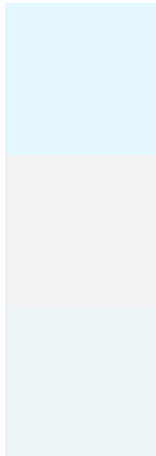
Original Color
96, 7.582, 236.737

Protanomaly
96, 4.901, 269.952

Deuteranomaly
96, 6.839, 302.376

Tritanomaly
96, 6.501, 251.484

Monochromacy



Original Color
96, 7.582, 236.737

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.861, 232.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 7.582, 236.737 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(228, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 246, 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(228, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.582, 236.737 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(228, 246, 255) }
```

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

```
.border{ border-color:rgb(228, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.582, 236.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 246, 255) }
```

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

```
.background{ background-color: rgb(228,  
246, 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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