

Converting Colors

CIELCh(96, 6.500, 245.000)

Have a look what the booklet for
CIELCh(96, 6.500, 245.000) contains.

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Color

CIELCh(96, 6.574, 243.909)

Conversions

Conversions Part 1

Format	Color
Hex	E8F6FF
RGB	232, 246, 255
RGB Percent	91%, 96%, 100%
CMY	0.0915, 0.0366, 0.0013
CMYK	0.09, 0.04, 0.00, 0.00
HSL	203°, 97%, 95%
HSV	203°, 9%, 100%
XYZ	84.0218, 90.0078, 107.2701
YIQ	242.8400, -11.2330, -0.1690

Conversions

Conversions Part 2

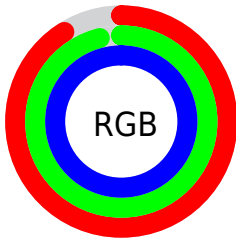
Format	Color
R _Y B	232, 241, 255
Decimal	15267583
CIE Lab	96.00, -2.89, -5.90
CIE LCh	96, 6.574, 243.909
Yxy	90.0078, 0.2987, 0.3200
Android (android.graphics.Color)	4293457663 (0xFFE8F6FF)
YUV	242.8400, 5.9949, -9.5067
Hunter-Lab	94.8724, -7.9419, -0.6271

Details

The CIELCh color **96, 6.574, 243.909** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 6.822, 61.840**, 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, 6.514, 240.645** is the 20% darker color. If you saturate the color by 10%, you get **92, 13.639, 245.170**, and if you desaturate by 10%, it is **100, 0.158, 109.676**.

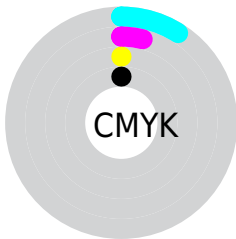
Distribution



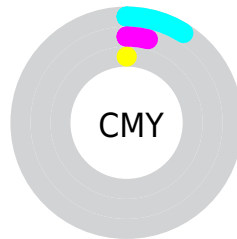
- Red (91%)
- Green (96%)
- Blue (100%)



- 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, 6.574, 243.909 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, 6.574, 243.909 by changing the saturation by 10% instead.

 96, 6.574, 243.909

 96, 6.574, 243.909

 100, 6.574,
243.909

 86, 6.574, 243.909

 76, 6.574, 243.909

 66, 6.574, 243.909

 56, 6.574, 243.909

 46, 6.574, 243.909

 36, 6.574, 243.909

 26, 6.574, 243.909

 16, 6.574, 243.909

 6, 6.574, 243.909

96, 6.574, 243.909

96, 6.574, 243.909

92, 13.639,
245.170

100, 0.158,
109.676

88, 20.431,
246.776

84, 26.888,
248.755

80, 32.960,
251.181

76, 38.616,
254.135

72, 43.868,
257.685

69, 48.786,
261.858

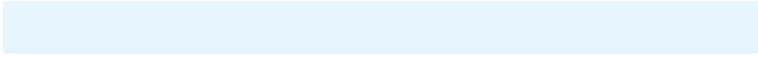
66, 53.510,
266.602

■ 63, 58.250,
271.708

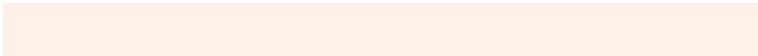
Harmonies

Complementary

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



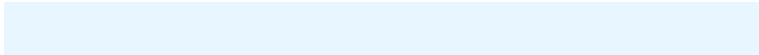
96, 6.574, 243.909



96, 6.822, 61.840

Rectangle

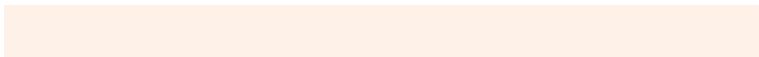
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.574, 243.909



96, 6.574, 293.909



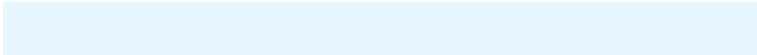
96, 6.574, 63.909



96, 6.574, 113.909

Sweetspot

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



96, 6.573, 243.889



99, 2.208, 243.372



98, 10.890, 157.215



52, 1.671, 243.406



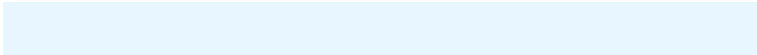
0, 0.000, 0.000



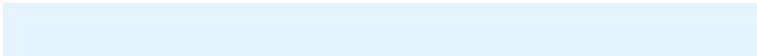
53, 0.007, 296.813

Same Dimension

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



96, 6.573, 243.889



95, 7.993, 244.115



93, 10.510, 286.015



51, 4.140, 243.942



47, 46.706, 271.237



14, 19.610, 264.016

Inverse Universe

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



94, 10.910, 338.863



93, 13.329, 339.025



99, 10.341, 104.008



50, 6.880, 338.902



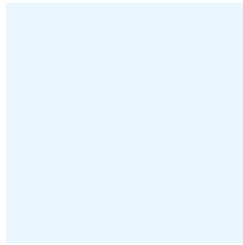
42, 70.642, 352.217



11, 33.294, 348.330

Previews

White Background



This preview shows how the CIELCh color 96, 6.574, 243.909 looks on a white background.

Color Contrast Check

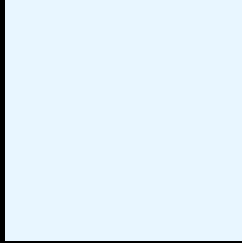
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 6.574, 243.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

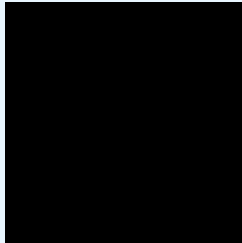
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

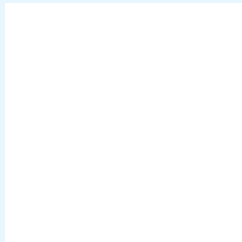
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.574, 243.909

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.574, 243.909.



This preview shows how white text looks on a background with the CIELCh color 96, 6.574, 243.909.

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, 6.574, 243.909

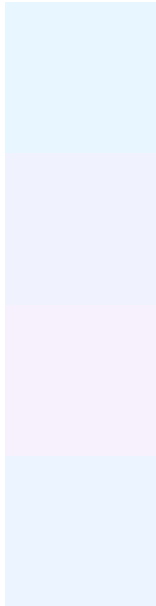
Protanopia
96, 5.254, 302.020

Deuteranopia
96, 8.758, 330.441



Tritanopia
96, 5.971, 270.445

Trichromacy



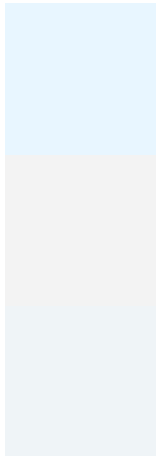
Original Color
96, 6.574, 243.909

Protanomaly
96, 5.220, 279.145

Deuteranomaly
96, 6.533, 309.256

Tritanomaly
96, 5.933, 259.263

Monochromacy



Original Color
96, 6.574, 243.909

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, 6.574, 243.909 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(232, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.574, 243.909 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(232, 246, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.574, 243.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 246, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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