

Converting Colors

CIELCh(96, 6.521, 232.456)

Have a look what the booklet for
CIELCh(96, 6.521, 232.456) contains.

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Color

CIELCh(96, 6.480, 232.892)

Conversions

Conversions Part 1

Format	Color
Hex	E6F6FD
RGB	230, 246, 253
RGB Percent	90%, 96%, 99%
CMY	0.0972, 0.0344, 0.0070
CMYK	0.09, 0.03, 0.00, 0.01
HSL	198°, 87%, 95%
HSV	198°, 9%, 99%
XYZ	83.4881, 90.0078, 106.0839
YIQ	242.0140, -11.7830, -1.2150

Conversions

Conversions Part 2

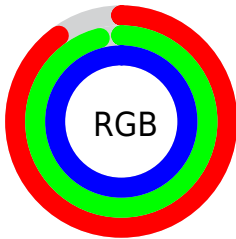
Format	Color
R _Y B	230, 239, 253
Decimal	15136509
CIE Lab	96.00, -3.91, -5.17
CIE LCh	96, 6.480, 232.892
Yxy	90.0078, 0.2986, 0.3219
Android (android.graphics.Color)	4293326589 (0xFFE6F6FD)
YUV	242.0140, 5.4161, -10.5363
Hunter-Lab	94.8724, -8.9461, 0.1142

Details

The CIELCh color `96, 6.480, 232.892` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `95, 6.802, 51.377`, 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, 6.496, 228.989` is the 20% darker color. If you saturate the color by 10%, you get `92, 13.308, 233.801`, and if you desaturate by 10%, it is `100, 0.509, 62.306`.

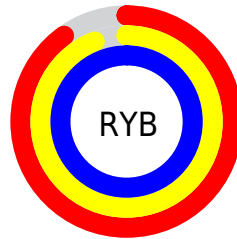
Distribution



Red (90%)

Green (96%)

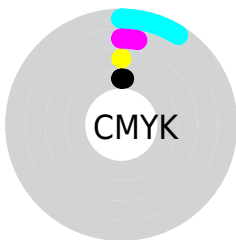
Blue (99%)



Red (90%)

Yellow (94%)

Blue (99%)

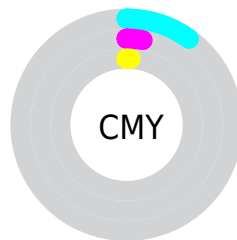


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (1%)



Cyan (10%)

Magenta (3%)

Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.480, 232.892 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, 6.480, 232.892 by changing the saturation by 10% instead.

 96, 6.480, 232.892

 96, 6.480, 232.892

 100, 6.480,
232.892

 86, 6.480, 232.892

 76, 6.480, 232.892

 66, 6.480, 232.892

 56, 6.480, 232.892

 46, 6.480, 232.892

 36, 6.480, 232.892

 26, 6.480, 232.892

 16, 6.480, 232.892

 6, 6.480, 232.892

96, 6.480, 232.892

96, 6.480, 232.892

92, 13.308,
233.801

100, 0.509, 62.306

89, 19.742,
235.029

100, 0.891,
110.024

85, 25.697,
236.600

82, 31.091,
238.590

79, 35.858,
241.093

76, 39.975,
244.199

73, 43.479,
247.985

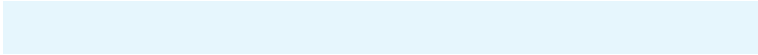
71, 46.494,
252.469

■ 68, 49.251,
257.518

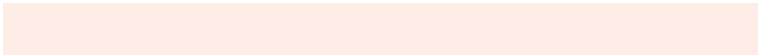
Harmonies

Complementary

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



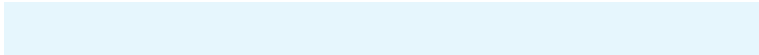
96, 6.480, 232.892



95, 6.802, 51.377

Rectangle

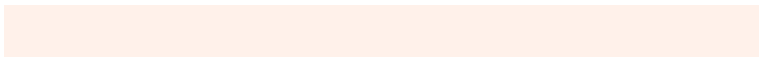
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.480, 232.892



96, 6.480, 282.892



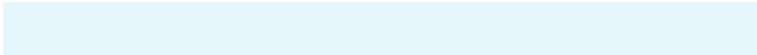
96, 6.480, 52.892



96, 6.480, 102.892

Sweetspot

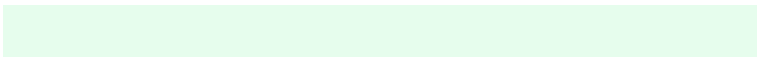
The Sweet Spot groups the original color and five complimentary colors.



96, 6.480, 232.872



99, 2.180, 232.567



97, 11.600, 153.677



53, 1.650, 232.569



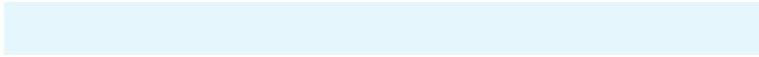
0, 0.000, 0.000



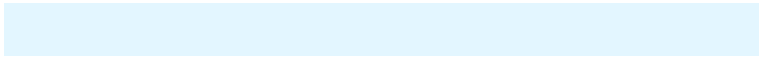
53, 0.007, 296.813

Same Dimension

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



96, 6.480, 232.872



96, 7.859, 233.025



93, 9.600, 281.516



51, 4.075, 232.904



52, 39.752, 257.029



16, 17.330, 249.968

Inverse Universe

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



94, 11.624, 335.049



93, 14.175, 335.192



98, 9.492, 99.346



50, 7.318, 335.081



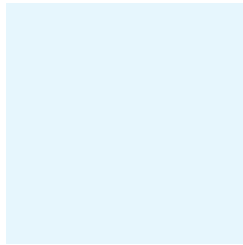
42, 74.119, 345.249



11, 34.927, 342.609

Previews

White Background



This preview shows how the CIELCh color 96, 6.480, 232.892 looks on a white background.

Color Contrast Check

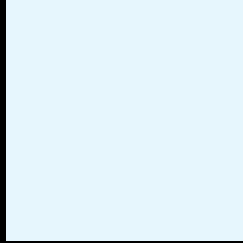
Large Text (above 18pt) WCAG AA × Fail

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, 6.480, 232.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

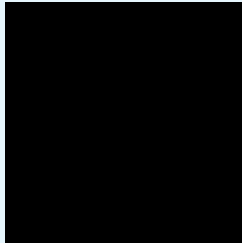
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

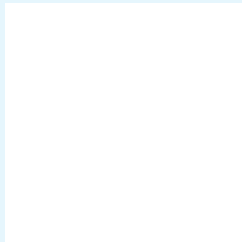
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.480, 232.892

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.480, 232.892.

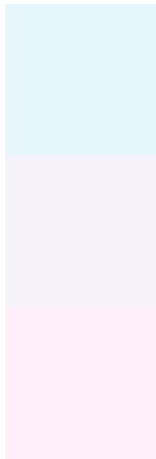


This preview shows how white text looks on a background with the CIELCh color 96, 6.480, 232.892.

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, 6.480, 232.892

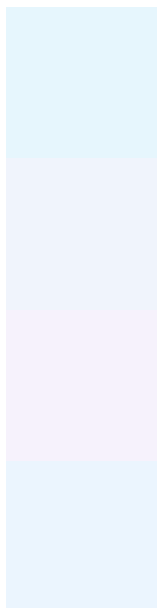
Protanopia
96, 4.753, 303.229

Deuteranopia
96, 8.376, 332.702



Tritanopia
96, 6.091, 267.411

Trichromacy



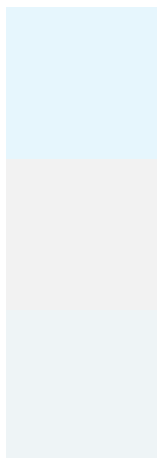
Original Color
96, 6.480, 232.892

Protanomaly
96, 4.310, 271.796

Deuteranomaly
96, 5.338, 305.679

Tritanomaly
96, 5.697, 253.537

Monochromacy



Original Color
96, 6.480, 232.892

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.318, 225.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.480, 232.892 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(230, 246, 253)` looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 253)  
}
```

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(230, 246, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.480, 232.892 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(230, 246, 253) }
```

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

```
.border{ border-color:rgb(230, 246, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 246, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 253);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.480, 232.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 253) }
```

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

```
.background{ background-color: rgb(230,  
246, 253) }
```

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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