

Converting Colors

CIECh(96, 13.156, 265.072)

Have a look what the booklet for
CIELCh(96, 13.156, 265.072)
contains.

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Color

CIELCh(96, 7.642, 241.459)

Conversions

Conversions Part 1

Format	Color
Hex	E5F6FF
RGB	229, 246, 255
RGB Percent	90%, 96%, 100%
CMY	0.1013, 0.0345, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	200°, 100%, 95%
HSV	200°, 10%, 100%
XYZ	83.6232, 90.0078, 108.5840
YIQ	241.9430, -13.0210, -0.8050

Conversions

Conversions Part 2

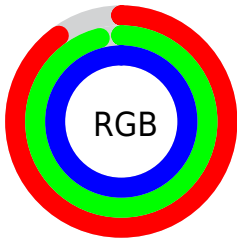
Format	Color
R _Y B	229, 239, 255
Decimal	15070975
CIE Lab	96.00, -3.65, -6.71
CIE LCh	96, 7.642, 241.459
Yxy	90.0078, 0.2963, 0.3189
Android (android.graphics.Color)	4293261055 (0xFFE5F6FF)
YUV	241.9430, 6.4371, -11.3510
Hunter-Lab	94.8724, -8.6918, -1.4483

Details

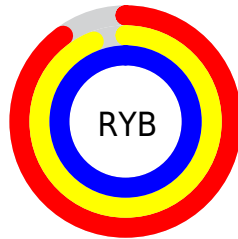
The CIELCh color **96, 7.642, 241.459** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.638, 55.756**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 7.326, 235.196** is the 20% darker color. If you saturate the color by 10%, you get **92, 14.153, 238.821**, and if you desaturate by 10%, it is **100, 0.099, 242.530**.

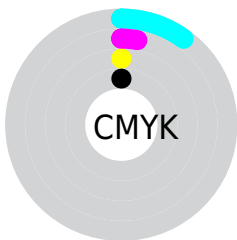
Distribution



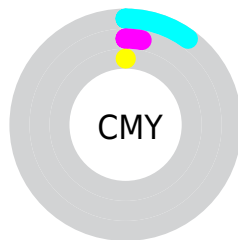
- Red (90%)
- Green (96%)
- Blue (100%)



- Red (90%)
- 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, 7.642, 241.459 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, 7.642, 241.459 by changing the saturation by 10% instead.

 96, 7.642, 241.459

 96, 7.642, 241.459

 100, 7.642,
241.459

 86, 7.642, 241.459

 76, 7.642, 241.459

 66, 7.642, 241.459

 56, 7.642, 241.459

 46, 7.642, 241.459

 36, 7.642, 241.459

 26, 7.642, 241.459

 16, 7.642, 241.459

 6, 7.642, 241.459

96, 7.642, 241.459

96, 7.642, 241.459

92, 14.153,
238.821

100, 0.099,
242.530

88, 20.685,
240.267

100, 0.012,
296.813

85, 26.787,
242.081

81, 32.390,
244.344

78, 37.449,
247.144

74, 41.961,
250.565

71, 45.987,
254.658

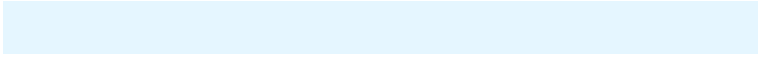
69, 49.671,
259.399

■ 66, 53.215,
264.500

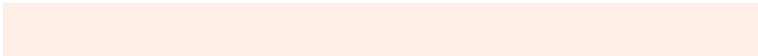
Harmonies

Complementary

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



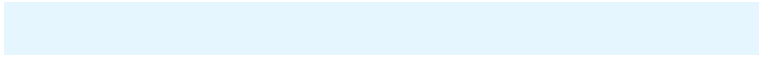
96, 7.642, 241.459



95, 7.638, 55.756

Rectangle

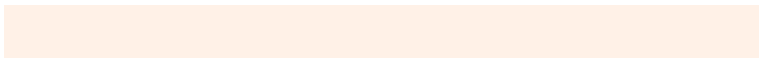
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.642, 241.459



96, 7.642, 291.459



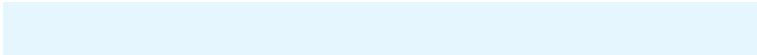
96, 7.642, 61.459



96, 7.642, 111.459

Sweetspot

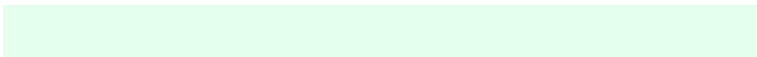
The Sweet Spot groups the original color and five complimentary colors.



96, 7.267, 237.691



99, 2.183, 237.187



98, 12.695, 154.954



52, 1.651, 237.204



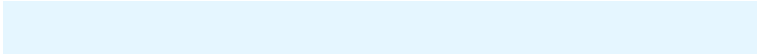
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 7.267, 237.691



95, 8.580, 237.879



93, 11.187, 283.548



51, 4.084, 237.632



50, 42.392, 263.521



16, 18.169, 256.272

Inverse Universe

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



93, 12.704, 336.694



92, 15.075, 336.839



98, 11.025, 101.192



50, 7.128, 336.645



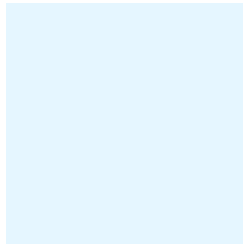
42, 72.493, 348.093



11, 34.186, 344.946

Previews

White Background



This preview shows how the CIELCh color 96, 7.642, 241.459 looks on a white background.

Color Contrast Check

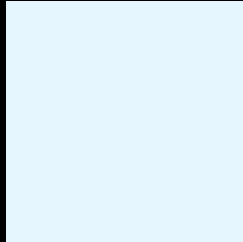
Large Text (above 18pt) WCAG AA × Fail

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, 7.642, 241.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

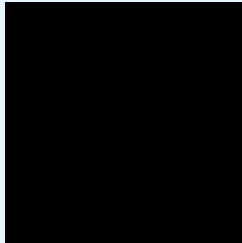
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

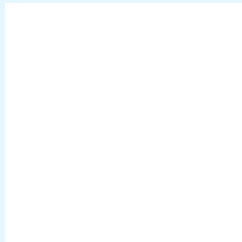
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 7.642, 241.459

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.642, 241.459.

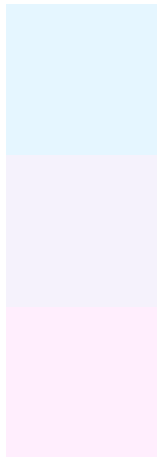


This preview shows how white text looks on a background with the CIELCh color 96, 7.642, 241.459.

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, 7.321, 238.340

Protanopia

96, 5.254, 302.020

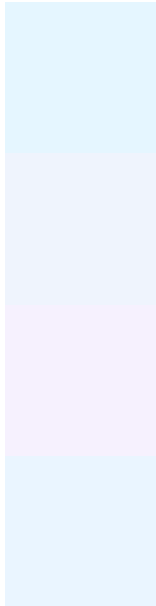
Deuteranopia

96, 9.778, 328.170



Tritanopia
96, 6.227, 264.506

Trichromacy



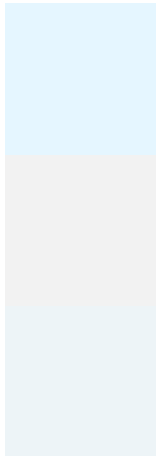
Original Color
96, 7.321, 238.340

Protanomaly
96, 4.901, 269.952

Deuteranomaly
96, 6.921, 305.187

Tritanomaly
96, 6.300, 253.916

Monochromacy



Original Color
96, 7.321, 238.340

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, 7.642, 241.459 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(229, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.642, 241.459 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(229, 246, 255) }
```

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

```
.border{ border-color:rgb(229, 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(229, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.642, 241.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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