

Converting Colors

CIELCh(96, 7.341, 217.443)

Have a look what the booklet for
CIELCh(96, 7.341, 217.443) contains.

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Color

CIELCh(96, 7.242, 219.855)

Conversions

Conversions Part 1

Format	Color
Hex	E3F7FC
RGB	227, 247, 252
RGB Percent	89%, 97%, 99%
CMY	0.1092, 0.0308, 0.0112
CMYK	0.10, 0.02, 0.00, 0.01
HSL	192°, 81%, 94%
HSV	192°, 10%, 99%
XYZ	82.6280, 90.0078, 105.2405
YIQ	241.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

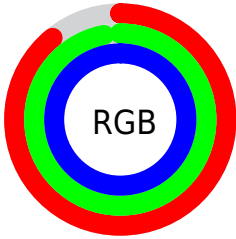
Format	Color
R_{YB}	227, 238, 252
Decimal	14940156
CIE _{Lab}	96.00, -5.56, -4.64
CIE _{LCh}	96, 7.242, 219.855
Yxy	90.0078, 0.2974, 0.3239
Android (android.graphics.Color)	4293130236 (0xFFE3F7FC)
YUV	241.5900, 5.1321, -12.7954
Hunter-Lab	94.8724, -10.5643, 0.6412

Details

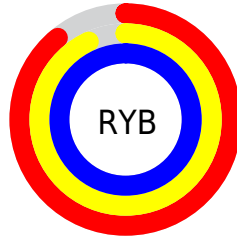
The CIELCh color **96, 7.242, 219.855** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 7.709, 39.193**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 7.063, 216.777** is the 20% darker color. If you saturate the color by 10%, you get **93, 14.139, 220.239**, and if you desaturate by 10%, it is **99, 0.062, 28.921**.

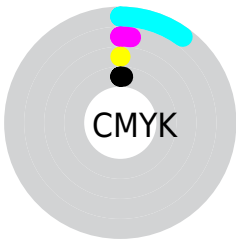
Distribution



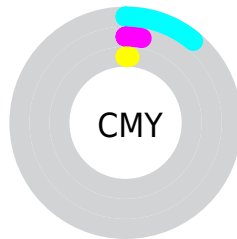
- Red (89%)
- Green (97%)
- Blue (99%)



- Red (89%)
- Yellow (93%)
- Blue (99%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.242, 219.855 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, 7.242, 219.855 by changing the saturation by 10% instead.

96, 7.242, 219.855

96, 7.242, 219.855

100, 7.242,
219.855

86, 7.242, 219.855

76, 7.242, 219.855

66, 7.242, 219.855

56, 7.242, 219.855

46, 7.242, 219.855

36, 7.242, 219.855

26, 7.242, 219.855

16, 7.242, 219.855

6, 7.242, 219.855

96, 7.242, 219.855

96, 7.242, 219.855

93, 14.139,
220.239

99, 0.062, 28.921

90, 20.521,
220.865

100, 1.432,
110.017

88, 26.277,
221.748

85, 31.291,
222.946

83, 35.468,
224.536

81, 38.744,
226.601

79, 41.118,
229.228

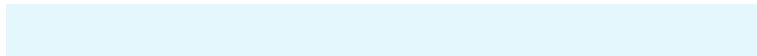
77, 42.672,
232.488

■ 76, 43.640,
236.338

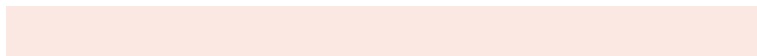
Harmonies

Complementary

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



96, 7.242, 219.855



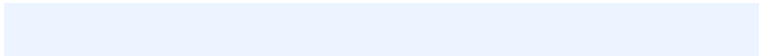
93, 7.709, 39.193

Rectangle

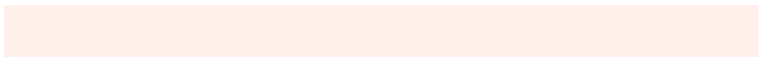
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.242, 219.855



96, 7.242, 269.855



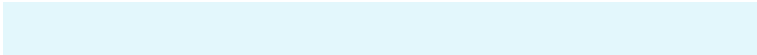
96, 7.242, 39.855



96, 7.242, 89.855

Sweetspot

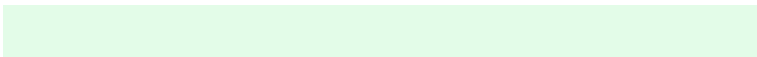
The Sweet Spot groups the original color and five complimentary colors.



96, 7.242, 219.837



99, 2.250, 219.822



97, 13.748, 149.333



53, 1.702, 219.783



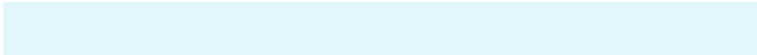
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 7.242, 219.837



96, 8.796, 219.901



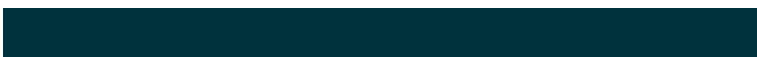
93, 9.172, 273.765



51, 4.126, 219.826



58, 35.039, 235.599



18, 15.723, 230.085

Inverse Universe

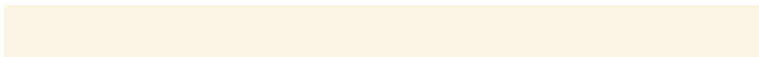
The Inverse Universe completely reimagines the original color for something new.



93, 13.628, 331.119



92, 16.666, 331.258



96, 9.160, 91.173



49, 7.754, 331.090



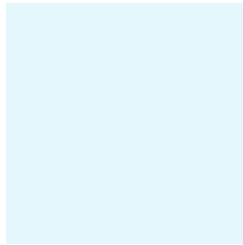
43, 78.906, 338.165



11, 36.382, 336.669

Previews

White Background



This preview shows how the CIELCh color 96, 7.242, 219.855 looks on a white background.

Color Contrast Check

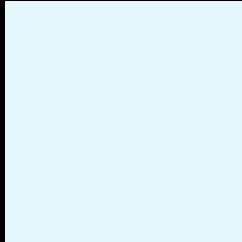
Large Text (above 18pt) WCAG AA × Fail

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, 7.242, 219.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

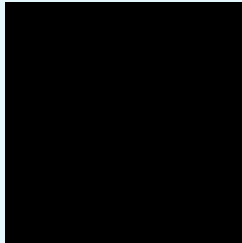
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

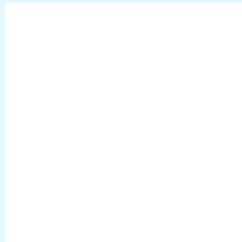
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 7.242, 219.855

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.242, 219.855.

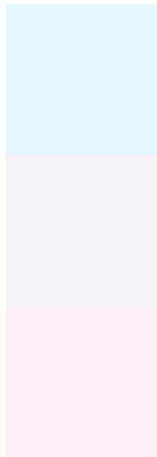


This preview shows how white text looks on a background with the CIELCh color 96, 7.242, 219.855.

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, 7.242, 219.855

Protanopia

96, 3.877, 311.599

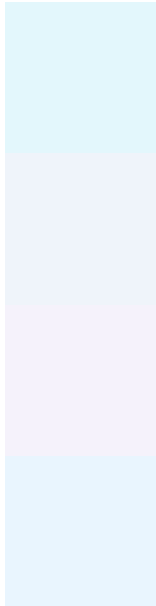
Deuteranopia

96, 8.008, 335.179



Tritanopia
96, 6.227, 264.506

Trichromacy



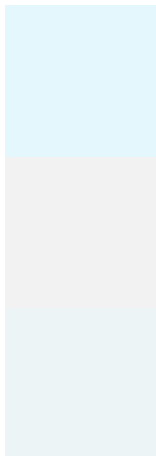
Original Color
96, 7.242, 219.855

Protanomaly
96, 3.510, 260.854

Deuteranomaly
96, 4.753, 303.229

Tritanomaly
96, 6.117, 248.372

Monochromacy



Original Color
96, 7.242, 219.855

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.632, 222.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 7.242, 219.855 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(227, 247, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 252)  
}
```

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(227, 247, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.242, 219.855 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(227, 247, 252) }
```

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

```
.border{ border-color:rgb(227, 247, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 247, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.242, 219.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 247, 252) }
```

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

```
.background{ background-color: rgb(227,  
247, 252) }
```

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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