

Converting Colors

CIELCh(97, 30.386, 284.225)

Have a look what the booklet for
CIELCh(97, 30.386, 284.225)
contains.

CIELCh(95, 7.312, 249.923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(95, 7.312, 249.923)

Conversions

Conversions Part 1

Format	Color
Hex	E5F3FE
RGB	229, 243, 254
RGB Percent	90%, 95%, 100%
CMY	0.1033, 0.0485, 0.0054
CMYK	0.10, 0.04, 0.00, 0.01
HSL	206°, 90%, 95%
HSV	206°, 10%, 99%
XYZ	81.9747, 87.6183, 106.0449
YIQ	240.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

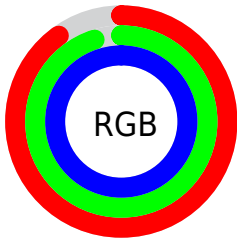
Format	Color
R_{YB}	229, 238, 254
Decimal	15070206
CIE _{Lab}	95.00, -2.51, -6.87
CIE _{LCh}	95, 7.312, 249.923
Yxy	87.6183, 0.2974, 0.3179
Android (android.graphics.Color)	4293260286 (0xFFE5F3FE)
YUV	240.0680, 6.8685, -9.7066
Hunter-Lab	93.6047, -7.4859, -1.6465

Details

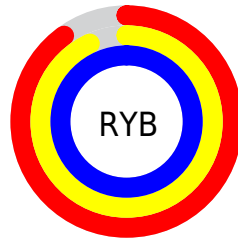
The CIELCh color `95, 7.312, 249.923` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `95, 7.558, 67.458`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 7.255, 247.394` is the 20% darker color. If you saturate the color by 10%, you get `90, 14.572, 251.345`, and if you desaturate by 10%, it is `100, 0.107, 63.975`.

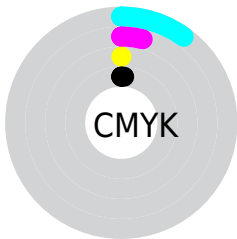
Distribution



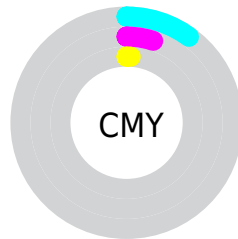
- Red (90%)
- Green (95%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 7.312, 249.923 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 95, 7.312, 249.923 by changing the saturation by 10% instead.

■ 95, 7.312, 249.923

■ 95, 7.312, 249.923

■ 100, 7.312,
249.923

■ 85, 7.312, 249.923

■ 75, 7.312, 249.923

■ 65, 7.312, 249.923

■ 55, 7.312, 249.923

■ 45, 7.312, 249.923

■ 35, 7.312, 249.923

■ 25, 7.312, 249.923

■ 15, 7.312, 249.923

■ 5, 7.312, 249.923

95, 7.312, 249.923

95, 7.312, 249.923

90, 14.572,
251.345

100, 0.107, 63.975

86, 21.630,
253.111

100, 0.684,
110.014

82, 28.440,
255.254

77, 34.969,
257.843

73, 41.207,
260.947

69, 47.186,
264.613

65, 52.989,
268.840

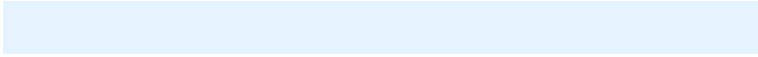
62, 58.758,
273.539

■ 59, 64.677,
278.447

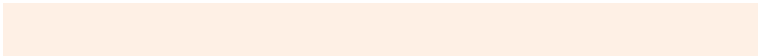
Harmonies

Complementary

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



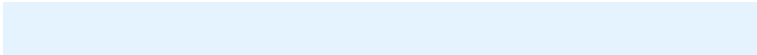
95, 7.312, 249.923



95, 7.558, 67.458

Rectangle

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



95, 7.312, 249.923



95, 7.312, 299.923



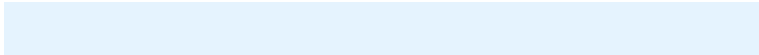
95, 7.312, 69.923



95, 7.312, 119.923

Sweetspot

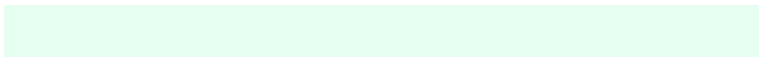
The Sweet Spot groups the original color and five complimentary colors.



95, 7.311, 249.906



99, 2.256, 249.196



97, 11.409, 159.478



52, 1.708, 249.245



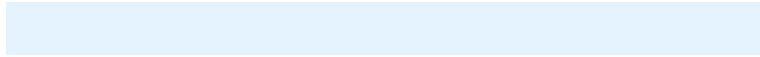
0, 0.000, 0.000



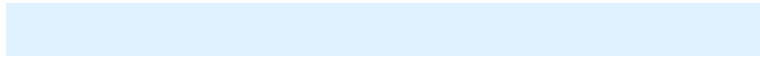
53, 0.007, 296.813

Same Dimension

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



95, 7.311, 249.906



94, 8.928, 250.189



92, 12.074, 288.451



51, 4.241, 249.863



45, 51.580, 277.623



13, 21.307, 270.636

Inverse Universe

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



93, 11.471, 341.290



92, 14.071, 341.478



99, 11.834, 106.349



50, 6.650, 341.260



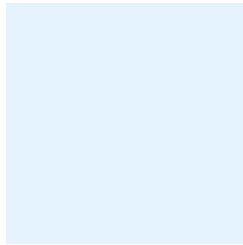
41, 69.274, 356.506



11, 32.562, 351.859

Previews

White Background



This preview shows how the CIELCh color 95, 7.312, 249.923 looks on a white background.

Color Contrast Check

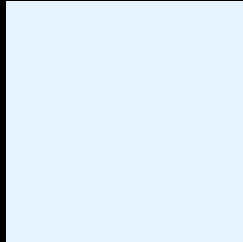
Large Text (above 18pt) WCAG AA × Fail

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 95, 7.312, 249.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

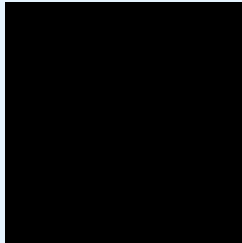
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

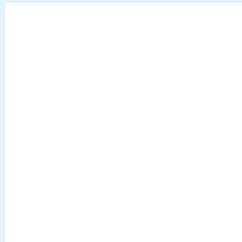
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 7.312, 249.923

Background



This preview shows how black text looks on a background with the CIELCh color 95, 7.312, 249.923.

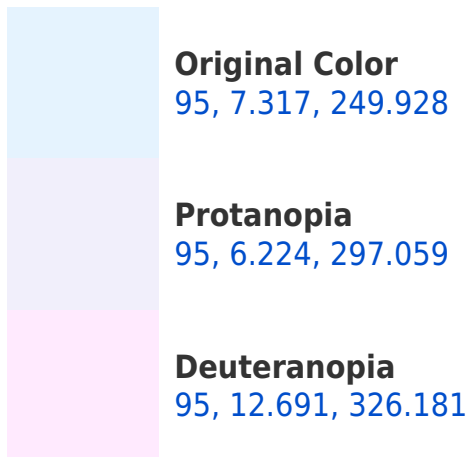


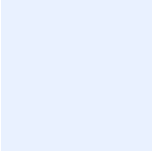
This preview shows how white text looks on a background with the CIELCh color 95, 7.312, 249.923.

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](#).

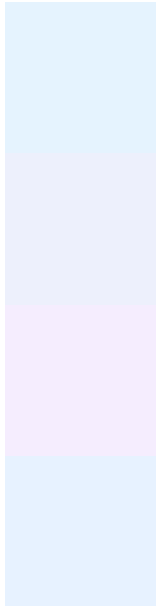
Dichromacy





Tritanopia
95, 7.647, 269.812

Trichromacy



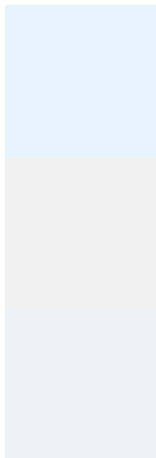
Original Color
95, 7.317, 249.928

Protanomaly
95, 6.241, 281.131

Deuteranomaly
95, 9.215, 308.328

Tritanomaly
95, 7.592, 261.110

Monochromacy



Original Color
95, 7.317, 249.928

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 2.678, 249.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 7.312, 249.923 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, 243, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 254)  
}
```

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, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 7.312, 249.923 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, 243, 254) }
```

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

```
.border{ border-color:rgb(229, 243, 254) }
```

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

Here you see how a box with a 4 pixel rgb(229, 243, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 7.312, 249.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 254) }
```

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

```
.background{ background-color: rgb(229,  
243, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor