

Converting Colors

CIELCh(95, 21.791, 273.354)

Have a look what the booklet for
CIELCh(95, 21.791, 273.354)
contains.

CIELCh(94, 9.858, 241.955)	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(94, 9.858, 241.955)

Conversions

Conversions Part 1

Format	Color
Hex	DBF1FE
RGB	219, 241, 254
RGB Percent	86%, 95%, 100%
CMY	0.1404, 0.0542, 0.0033
CMYK	0.14, 0.05, 0.00, 0.00
HSL	202°, 95%, 93%
HSV	202°, 14%, 100%
XYZ	78.6944, 85.2715, 106.2194
YIQ	235.9040, -17.2850, -0.6210

Conversions

Conversions Part 2

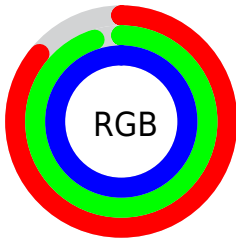
Format	Color
R _Y B	219, 233, 254
Decimal	14414334
CIE Lab	94.00, -4.63, -8.70
CIE LCh	94, 9.858, 241.955
Yxy	85.2715, 0.2913, 0.3156
Android (android.graphics.Color)	4292604414 (0xFFDBF1FE)
YUV	235.9040, 8.9213, -14.8248
Hunter-Lab	92.3426, -9.4818, -3.5600

Details

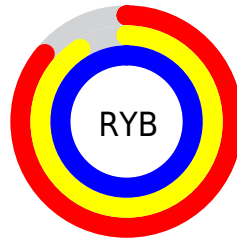
The CIELCh color `94, 9.858, 241.955` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `93, 10.507, 59.062`, and the grayscale version is `93, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `74, 9.684, 241.299` is the 20% darker color. If you saturate the color by 10%, you get `90, 16.706, 243.307`, and if you desaturate by 10%, it is `98, 2.741, 240.962`.

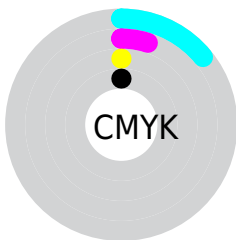
Distribution



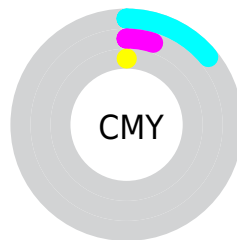
- Red (86%)
- Green (95%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 9.858, 241.955 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 94, 9.858, 241.955 by changing the saturation by 10% instead.



94, 9.858, 241.955

94, 9.858, 241.955

90, 16.706,
243.307

98, 2.741, 240.962

86, 23.220,
245.008

100, 0.409,
109.958

82, 29.336,
247.113

78, 35.003,
249.705

75, 40.201,
252.864

71, 44.959,
256.654

68, 49.377,
261.083

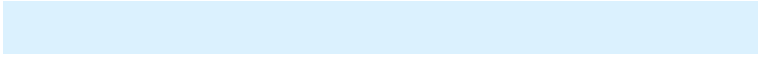
65, 53.626,
266.062

■ 64, 56.314,
269.281

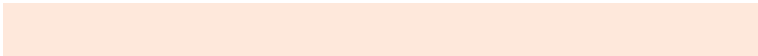
Harmonies

Complementary

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



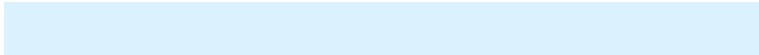
94, 9.858, 241.955



93, 10.507, 59.062

Rectangle

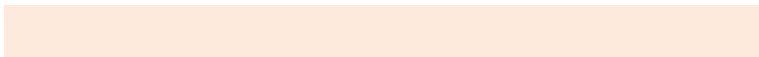
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 9.858, 241.955



94, 9.858, 291.955



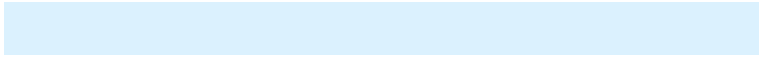
94, 9.858, 61.955



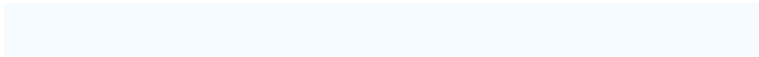
94, 9.858, 111.955

Sweetspot

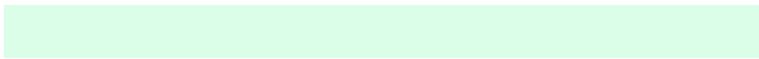
The Sweet Spot groups the original color and five complimentary colors.



94, 9.857, 241.943



98, 2.920, 240.974



97, 16.805, 156.073



52, 2.072, 241.021



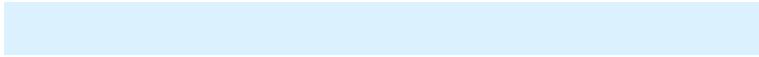
0, 0.000, 0.000



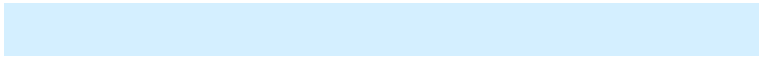
53, 0.007, 296.813

Same Dimension

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



94, 9.857, 241.943



93, 12.139, 242.351



90, 15.826, 285.776



51, 4.112, 241.459



49, 44.902, 268.322



15, 18.999, 261.058

Inverse Universe

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



91, 16.905, 338.331



89, 20.985, 338.596



98, 15.482, 102.626



50, 6.977, 337.987



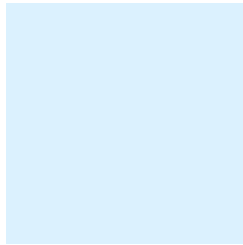
42, 71.325, 350.544



11, 33.632, 346.958

Previews

White Background



This preview shows how the CIELCh color 94, 9.858, 241.955 looks on a white background.

Color Contrast Check

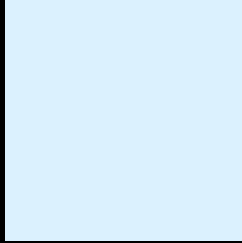
Large Text (above 18pt) WCAG AA × Fail

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 94, 9.858, 241.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

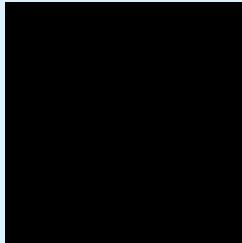
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

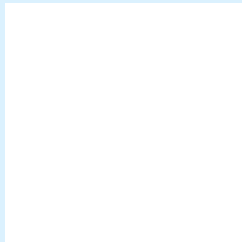
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 9.858, 241.955

Background



This preview shows how black text looks on a background with the CIELCh color 94, 9.858, 241.955.



This preview shows how white text looks on a background with the CIELCh color 94, 9.858, 241.955.

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

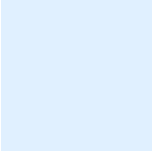
94, 9.864, 241.962

Protanopia

94, 7.776, 295.886

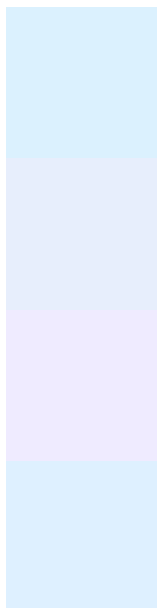
Deuteranopia

94, 14.260, 320.211



Tritanopia
94, 9.327, 255.313

Trichromacy



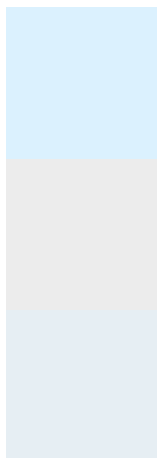
Original Color
94, 9.864, 241.962

Protanomaly
94, 7.557, 272.252

Deuteranomaly
94, 10.428, 298.551

Tritanomaly
94, 9.712, 252.060

Monochromacy



Original Color
94, 9.864, 241.962

Achromatopsia
93, 0.011, 296.813

Achromatomaly
94, 3.762, 242.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 9.858, 241.955 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(219, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(219, 241, 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(219, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 9.858, 241.955 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(219, 241, 254) }
```

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

```
.border{ border-color:rgb(219, 241, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 9.858, 241.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 254) }
```

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

```
.background{ background-color: rgb(219,  
241, 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