

Converting Colors

CIELCh(94, 48.955, 104.581)

Have a look what the booklet for
CIELCh(94, 48.955, 104.581)
contains.

CIELCh(94, 48.722, 104.414)	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, 48.722, 104.414)

Conversions

Conversions Part 1

Format	Color
Hex	F6F291
RGB	246, 242, 145
RGB Percent	96%, 95%, 57%
CMY	0.0346, 0.0503, 0.4308
CMYK	0.00, 0.02, 0.41, 0.03
HSL	58°, 85%, 77%
HSV	58°, 41%, 97%
XYZ	74.9863, 85.2715, 39.3560
YIQ	232.1380, 33.5210, -29.3190

Conversions

Conversions Part 2

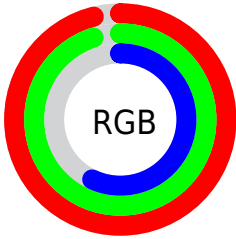
Format	Color
R_{YB}	149, 246, 145
Decimal	16183953
CIE Lab	94.00, -12.13, 47.19
CIE LCh	94, 48.722, 104.414
Yxy	85.2715, 0.3757, 0.4272
Android (android.graphics.Color)	4294374033 (0xFFFF6F291)
YUV	232.1380, -42.9590, 12.1570
Hunter-Lab	92.3426, -16.6496, 39.3707

Details

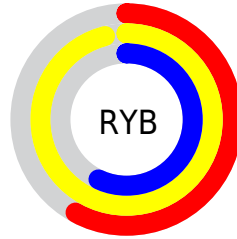
The CIELCh color **94, 48.722, 104.414** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **65, 53.847, 294.322**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 27.734, 108.071**, and **74, 48.893, 104.428** is the 20% darker color. If you saturate the color by 10%, you get **93, 59.772, 103.456**, and if you desaturate by 10%, it is **95, 37.160, 105.417**.

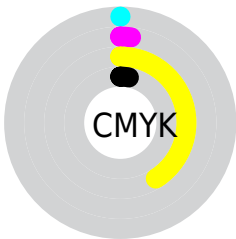
Distribution



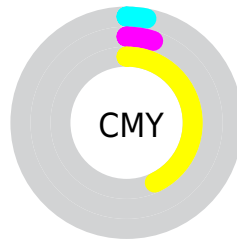
- Red (96%)
- Green (95%)
- Blue (57%)



- Red (58%)
- Yellow (96%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 48.722, 104.414 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, 48.722, 104.414 by changing the saturation by 10% instead.

 94, 48.722,
104.414

 94, 48.722,
104.414

 100, 48.722,
104.414

 84, 48.722,
104.414

 74, 48.722,
104.414

 64, 48.722,
104.414

 54, 48.722,
104.414

 44, 48.722,
104.414

 34, 48.722,
104.414

 24, 48.722,

104.414

■ 14, 48.722,
104.414

■ 4, 48.722, 104.414

■ 94, 48.722,
104.414

■ 94, 48.722,
104.414

■ 93, 59.772,
103.456

■ 95, 37.160,
105.417

■ 93, 69.959,
102.560

■ 95, 25.306,
106.432

■ 93, 78.781,
101.763

■ 96, 13.302,
107.445

■ 92, 85.610,
101.098

■ 97, 1.237, 108.377

■ 97, 4.083, 286.260

92, 89.874,
100.588

98, 3.623, 280.305

92, 91.605,
100.246

98, 3.213, 272.743

98, 2.875, 263.210

98, 2.635, 251.570

Harmonies

Complementary

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



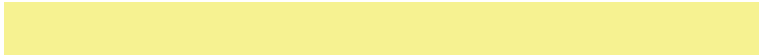
94, 48.722, 104.414



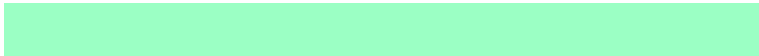
65, 53.847, 294.322

Rectangle

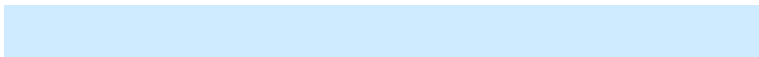
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 48.722, 104.414



94, 48.722, 154.414



94, 48.722, 284.414



94, 48.722, 334.414

Sweetspot

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



94, 48.723, 104.417



99, 14.885, 107.345



71, 41.043, 19.834



53, 9.872, 107.213



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

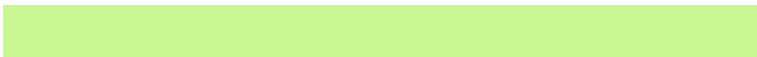
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 48.723, 104.417



97, 59.243, 103.638



92, 53.725, 125.308



51, 6.821, 107.600



71, 74.307, 100.292



23, 32.109, 100.996

Inverse Universe

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



65, 53.847, 294.322



61, 67.293, 295.943



68, 57.467, 309.555



47, 6.963, 289.575



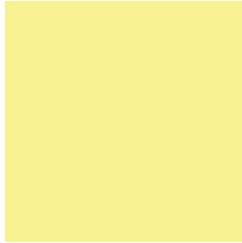
23, 103.840, 305.816



3, 38.805, 299.120

Previews

White Background



This preview shows how the CIELCh color 94, 48.722, 104.414 looks on a white background.

Color Contrast Check

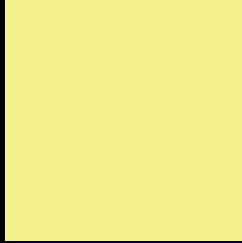
Large Text (above 18pt) WCAG AA × Fail

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 94, 48.722, 104.414 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, 48.722, 104.414

Background



This preview shows how black text looks on a background with the CIELCh color 94, 48.722, 104.414.

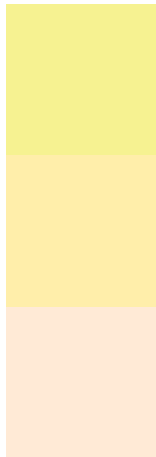


This preview shows how white text looks on a background with the CIELCh color 94, 48.722, 104.414.

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, 48.722, 104.414

Protanopia
94, 35.270, 96.451

Deuteranopia
94, 12.909, 72.090

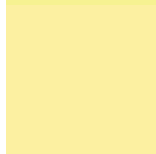


Tritanopia
94, 11.865, 336.301

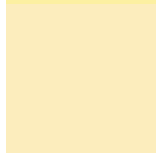
Trichromacy



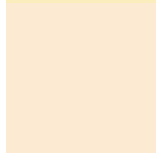
Original Color
94, 48.722, 104.414



Protanomaly
94, 40.302, 100.193



Deuteranomaly
94, 25.223, 94.988

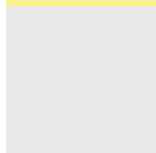


Tritanomaly
94, 14.315, 82.805

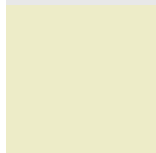
Monochromacy



Original Color
94, 48.722, 104.414



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 18.467, 107.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 48.722, 104.414 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(246, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(246, 242, 145)  
}
```

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(246, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 242, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 48.722, 104.414 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(246, 242, 145) }
```

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

```
.border{ border-color:rgb(246, 242, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 242, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(246, 242,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 48.722, 104.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 242, 145) }
```

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

```
.background{ background-color: rgb(246,  
242, 145) }
```

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