

Converting Colors

CIELCh(100, 52.855, 77.650)

Have a look what the booklet for
CIELCh(100, 52.855, 77.650)
contains.

CIELCh(96, 45.908, 101.588)	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(96, 45.908, 101.588)

Conversions

Conversions Part 1

Format	Color
Hex	FFF69B
RGB	255, 246, 155
RGB Percent	100%, 96%, 61%
CMY	0.0000, 0.0340, 0.3912
CMYK	0.00, 0.03, 0.39, 0.00
HSL	55°, 100%, 80%
HSV	55°, 39%, 100%
XYZ	80.7402, 90.0078, 44.2394
YIQ	238.3170, 34.5750, -26.3930

Conversions

Conversions Part 2

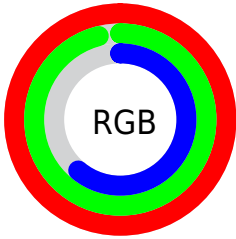
Format	Color
R_{YB}	165, 255, 155
Decimal	16774811
CIE _{Lab}	96.00, -9.22, 44.97
CIE _{LCh}	96, 45.908, 101.588
Yxy	90.0078, 0.3756, 0.4187
Android (android.graphics.Color)	4294964891 (0xFFFFFFFF69B)
YUV	238.3170, -41.0753, 14.6310
Hunter-Lab	94.8724, -14.1161, 38.7635

Details

The CIELCh color **96, 45.908, 101.588** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 49.853, 292.025**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **76, 46.000, 102.079** is the 20% darker color. If you saturate the color by 10%, you get **95, 56.988, 101.221**, and if you desaturate by 10%, it is **97, 34.332, 103.347**.

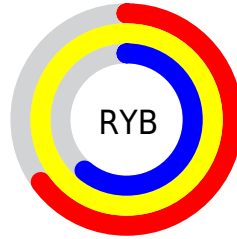
Distribution



Red (100%)

Green (96%)

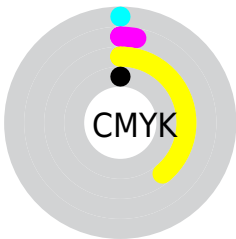
Blue (61%)



Red (65%)

Yellow (100%)

Blue (61%)

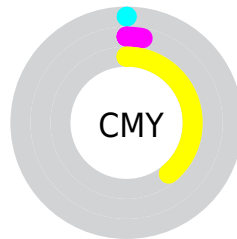


Cyan (0%)

Magenta (3%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 45.908, 101.588 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, 45.908, 101.588 by changing the saturation by 10% instead.


 96, 45.908,
101.588


 96, 45.908,
101.588


 100, 45.908,
101.588


 86, 45.908,
101.588

 76, 45.908,
101.588

 66, 45.908,
101.588

 56, 45.908,
101.588

 46, 45.908,
101.588

 36, 45.908,
101.588

 26, 45.908,

101.588

■ 16, 45.908,
101.588

■ 6, 45.908, 101.588

■ 96, 45.908,
101.588

■ 96, 45.908,
101.588

■ 95, 56.988,
101.221

■ 97, 34.332,
103.347

■ 94, 67.397,
100.205

■ 98, 22.598,
104.419

■ 93, 76.610, 99.251

■ 99, 10.777,
105.474

■ 93, 83.974, 98.379

100, 0.012,

■ 92, 88.798, 97.602

296.813

■ 91, 90.871, 96.903

■ 91, 90.997, 96.843

Harmonies

Complementary

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



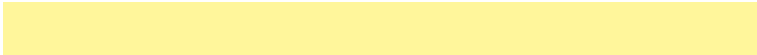
96, 45.908, 101.588



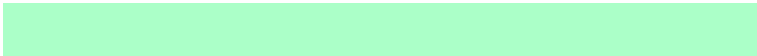
70, 49.853, 292.025

Rectangle

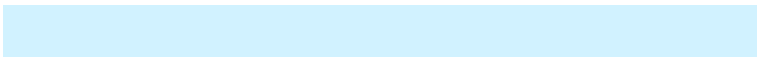
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 45.908, 101.588



96, 45.908, 151.588



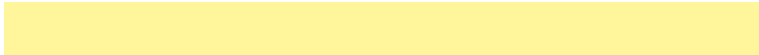
96, 45.908, 281.588



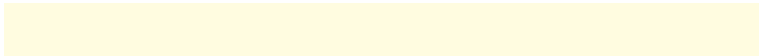
96, 45.908, 331.588

Sweetspot

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



96, 45.861, 102.275



99, 14.191, 105.173



75, 39.813, 15.729



52, 9.413, 105.035



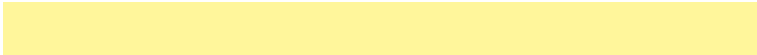
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

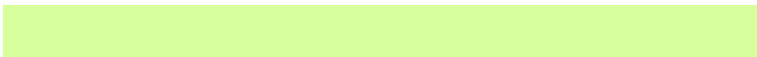
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 45.861, 102.275



95, 54.681, 101.441



95, 52.159, 123.503



53, 6.722, 105.434



71, 73.366, 96.954



24, 33.187, 97.903

Inverse Universe

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



70, 49.853, 292.025



64, 60.869, 293.624



71, 55.976, 307.838



49, 6.847, 287.495



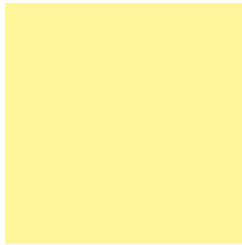
24, 103.690, 305.215



4, 41.366, 300.218

Previews

White Background



This preview shows how the CIE LCh color 96, 45.908, 101.588 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 96, 45.908, 101.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

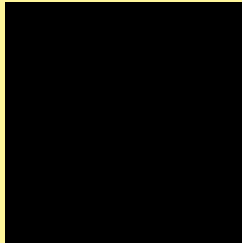
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 45.908, 101.588

Background



This preview shows how black text looks on a background with the CIELCh color 96, 45.908, 101.588.

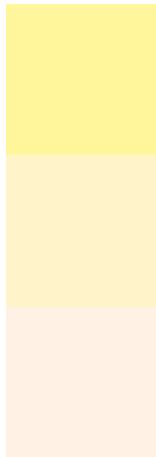


This preview shows how white text looks on a background with the CIELCh color 96, 45.908, 101.588.

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, 45.843, 102.102

Protanopia
96, 21.376, 96.287

Deuteranopia
96, 8.355, 72.056



Tritanopia
96, 7.326, 340.860

Trichromacy



Original Color
96, 45.843, 102.102



Protanomaly
96, 30.258, 99.753



Deuteranomaly
96, 21.376, 96.287

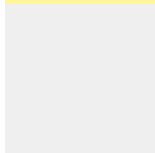


Tritanomaly
96, 15.080, 90.364

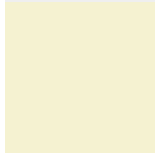
Monochromacy



Original Color
96, 45.843, 102.102



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 16.882, 105.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 45.908, 101.588 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(255, 246, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 155)  
}
```

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(255, 246, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 45.908, 101.588 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(255, 246, 155) }
```

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

```
.border{ border-color:rgb(255, 246, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 45.908, 101.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 155) }
```

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

```
.background{ background-color: rgb(255,  
246, 155) }
```

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