

Converting Colors

CIELCh(90, 27.518, 94.810)

Have a look what the booklet for
CIELCh(90, 27.518, 94.810) contains.

CIELCh(90, 27.540, 94.796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 27.540, 94.796)

Conversions

Conversions Part 1

Format	Color
Hex	F2E2AE
RGB	242, 226, 174
RGB Percent	95%, 89%, 68%
CMY	0.0511, 0.1138, 0.3178
CMYK	0.00, 0.07, 0.28, 0.05
HSL	46°, 72%, 82%
HSV	46°, 28%, 95%
XYZ	71.4331, 76.3034, 50.9930
YIQ	224.8560, 26.2280, -12.7800

Conversions

Conversions Part 2

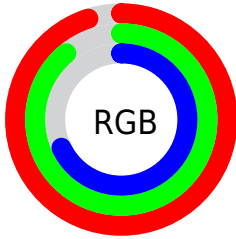
Format	Color
R _Y B	195, 242, 174
Decimal	15917742
CIE Lab	90.00, -2.30, 27.44
CIE LCh	90, 27.540, 94.796
Yxy	76.3034, 0.3594, 0.3840
Android (android.graphics.Color)	4294107822 (0xFF2E2AE)
YUV	224.8560, -25.0720, 15.0353
Hunter-Lab	87.3518, -6.8949, 26.5348

Details

The CIELCh color **90, 27.540, 94.796** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 28.204, 282.258**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **70, 27.721, 95.159** is the 20% darker color. If you saturate the color by 10%, you get **88, 37.427, 93.529**, and if you desaturate by 10%, it is **92, 17.663, 96.040**.

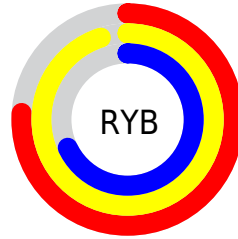
Distribution



Red (95%)

Green (89%)

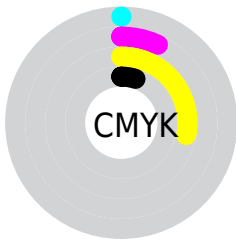
Blue (68%)



Red (76%)

Yellow (95%)

Blue (68%)

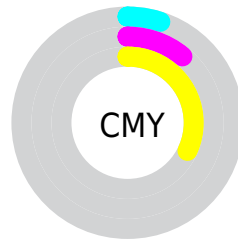


Cyan (0%)

Magenta (7%)

Yellow (28%)

Black (5%)



Cyan (5%)

Magenta (11%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 27.540, 94.796 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 90, 27.540, 94.796 by changing the saturation by 10% instead.

 90, 27.540, 94.796

 90, 27.540, 94.796

 100, 27.540,
94.796

 80, 27.540, 94.796

 70, 27.540, 94.796

 60, 27.540, 94.796

 50, 27.540, 94.796

 40, 27.540, 94.796

 30, 27.540, 94.796

 20, 27.540, 94.796

 10, 27.540, 94.796

 0, 27.540, 94.796

90, 27.540, 94.796

90, 27.540, 94.796

88, 37.427, 93.529

92, 17.663, 96.040

86, 47.196, 92.229

94, 7.857, 97.233

85, 56.629, 90.902

96, 1.844, 278.535

83, 65.344, 89.537

98, 3.930, 254.000

81, 72.737, 88.105

99, 4.302, 203.134

80, 77.999, 86.539

99, 4.493, 199.268

78, 80.524, 84.747

78, 80.857, 84.395

Harmonies

Complementary

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



90, 27.540, 94.796



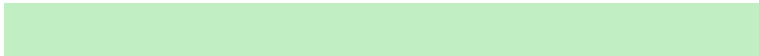
77, 28.204, 282.258

Rectangle

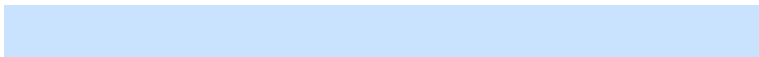
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 27.540, 94.796



90, 27.540, 144.796



90, 27.540, 274.796



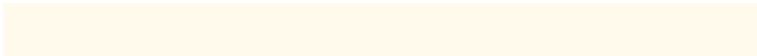
90, 27.540, 324.796

Sweetspot

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



90, 27.541, 94.801



98, 8.096, 97.242



78, 27.281, 2.639



52, 5.760, 97.066



0, 0.000, 0.000



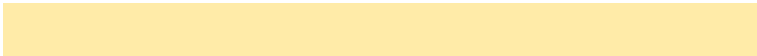
53, 0.007, 296.813

Same Dimension

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



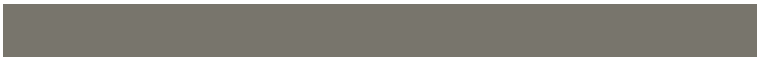
90, 27.541, 94.801



93, 34.828, 94.042



93, 35.184, 118.128



49, 5.474, 97.073



61, 65.831, 84.764



18, 26.222, 87.401

Inverse Universe

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



77, 28.204, 282.258



77, 35.908, 283.375



75, 37.355, 302.011



47, 5.523, 279.398



27, 87.763, 301.177



5, 31.568, 293.871

Previews

White Background



This preview shows how the CIE LCh color 90, 27.540, 94.796 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 90, 27.540, 94.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

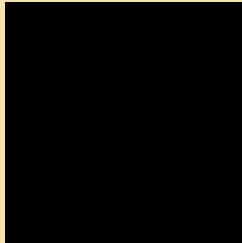
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 27.540, 94.796

Background



This preview shows how black text looks on a background with the CIELCh color 90, 27.540, 94.796.



This preview shows how white text looks on a background with the CIELCh color 90, 27.540, 94.796.

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](#).

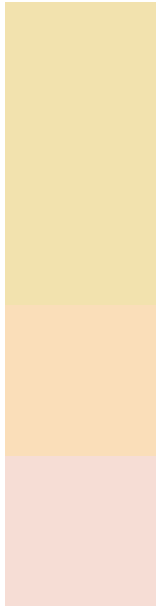
Dichromacy





Tritanopia
90, 14.210, 342.116

Trichromacy



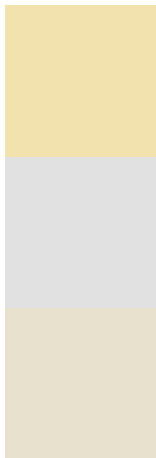
Original Color
90, 27.540, 94.796

Protanomaly
90, 27.540, 94.796

Deuteranomaly
90, 22.096, 79.116

Tritanomaly
90, 10.156, 43.936

Monochromacy



Original Color
90, 27.540, 94.796

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 10.078, 96.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 27.540, 94.796 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(242, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(242, 226, 174)  
}
```

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(242, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 226, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 27.540, 94.796 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(242, 226, 174) }
```

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

```
.border{ border-color:rgb(242, 226, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 226, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(242, 226,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 27.540, 94.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 226, 174) }
```

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

```
.background{ background-color: rgb(242,  
226, 174) }
```

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