

# Converting Colors

CIELCh(91, 30.866, 66.427)

Have a look what the booklet for  
CIELCh(91, 30.866, 66.427) contains.

<b>CIELCh(89, 26.577, 76.016)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(89, 26.577, 76.016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDAAF
RGB	254, 218, 175
RGB Percent	100%, 85%, 69%
CMY	0.0049, 0.1458, 0.3143
CMYK	0.00, 0.14, 0.31, 0.00
HSL	33°, 97%, 84%
HSV	33°, 31%, 100%
XYZ	73.5344, 74.1641, 50.9242
YIQ	223.8620, 35.2590, -5.7410

# Conversions

## Conversions Part 2

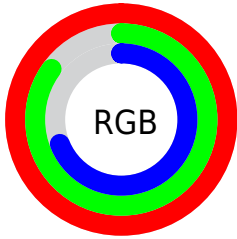
Format	Color
R <sub>Y</sub> B	241, 254, 175
Decimal	16702127
CIE Lab	89.00, 6.42, 25.79
CIE LCh	89, 26.577, 76.016
Yxy	74.1641, 0.3702, 0.3734
Android (android.graphics.Color)	4294892207 (0xFFFE <sub>D</sub> AA <sub>F</sub> )
YUV	223.8620, -24.0890, 26.4310
Hunter-Lab	86.1186, 1.7090, 25.2233

# Details

The CIELCh color **89, 26.577, 76.016** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **83, 24.947, 265.153**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **69, 26.622, 76.131** is the 20% darker color. If you saturate the color by 10%, you get **86, 35.817, 74.669**, and if you desaturate by 10%, it is **92, 17.672, 77.348**.

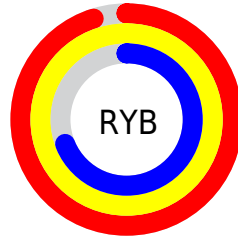
# Distribution



Red (100%)

Green (85%)

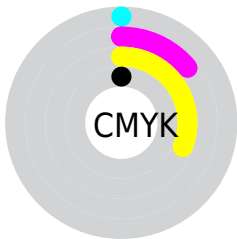
Blue (69%)



Red (95%)

Yellow (100%)

Blue (69%)

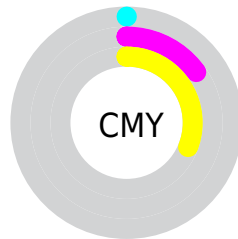


Cyan (0%)

Magenta (14%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 26.577, 76.016 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 89, 26.577, 76.016 by changing the saturation by 10% instead.



 89, 26.577, 76.016

 89, 26.577, 76.016

 100, 26.577,  
76.016

 79, 26.577, 76.016

 69, 26.577, 76.016

 59, 26.577, 76.016

 49, 26.577, 76.016

 39, 26.577, 76.016

 29, 26.577, 76.016

 19, 26.577, 76.016

 9, 26.577, 76.016

 0, 26.577, 76.016

89, 26.577, 76.016

89, 26.577, 76.016

86, 35.817, 74.669

92, 17.672, 77.348

83, 45.336, 73.283

96, 9.108, 78.631

80, 54.987, 71.846

99, 0.872, 79.490

77, 64.447, 70.296

100, 0.430,  
200.920

74, 73.087, 68.503

71, 79.875, 66.212

69, 83.812, 63.605

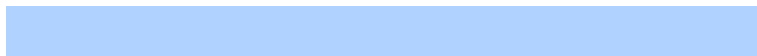
# Harmonies

# Complementary

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



89, 26.577, 76.016



83, 24.947, 265.153

# Rectangle

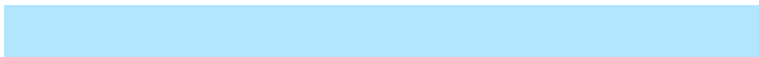
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 26.577, 76.016



89, 26.577, 126.016



89, 26.577, 256.016



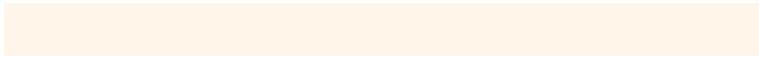
89, 26.577, 306.016

# Sweetspot

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



89, 26.577, 76.023



97, 7.387, 78.890



80, 34.702, 348.552



51, 5.149, 78.711



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



89, 26.577, 76.023



87, 32.124, 75.225



98, 39.608, 108.621



51, 4.671, 78.828



53, 67.586, 64.287



17, 27.069, 66.302



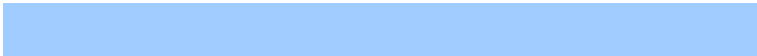


# Inverse Universe

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



83, 24.947, 265.153



81, 29.758, 266.450



74, 42.773, 295.165



50, 4.598, 261.412



39, 63.651, 288.246



11, 25.714, 282.056



# Previews

## White Background



This preview shows how the CIELCh color 89, 26.577, 76.016 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 89, 26.577, 76.016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

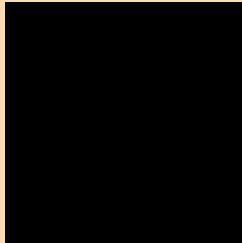
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 89, 26.577, 76.016**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 26.577, 76.016.



This preview shows how white text looks on a background with the CIELCh color 89, 26.577, 76.016.

# 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

89, 26.603, 76.000

### Protanopia

89, 24.510, 94.386

### Deuteranopia

89, 21.897, 65.002



**Tritanopia**  
89, 16.913, 355.303



# Trichromacy



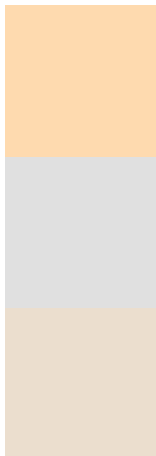
**Original Color**  
89, 26.603, 76.000

**Protanomaly**  
89, 25.038, 87.116

**Deuteranomaly**  
89, 23.632, 69.661

**Tritanomaly**  
89, 15.494, 33.882

# Monochromacy



**Original Color**  
89, 26.603, 76.000

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 9.596, 79.201

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 26.577, 76.016 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(254, 218, 175)` looks like.

```
.text, #text, p{  
    color:rgb(254, 218, 175)  
}
```

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(254, 218, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 218, 175) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 26.577, 76.016 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(254, 218, 175) }
```

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

```
.border{ border-color:rgb(254, 218, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 218, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 218, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 218, 175);  
box-shadow:4px 4px 4px 4px rgb(254, 218,  
175) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 26.577, 76.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 218, 175) }
```

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

```
.background{ background-color: rgb(254,  
218, 175) }
```

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](#).

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