

# Converting Colors

CIELCh(79, 30.079, 57.593)

Have a look what the booklet for  
CIELCh(79, 30.079, 57.593) contains.

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# Color

**CIELCh(79, 30.032, 58.452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B895
RGB	240, 184, 149
RGB Percent	94%, 72%, 58%
CMY	0.0591, 0.2787, 0.4160
CMYK	0.00, 0.23, 0.38, 0.06
HSL	23°, 75%, 76%
HSV	23°, 38%, 94%
XYZ	58.4515, 54.9284, 35.9246
YIQ	196.7540, 44.6110, 0.9870

# Conversions

## Conversions Part 2

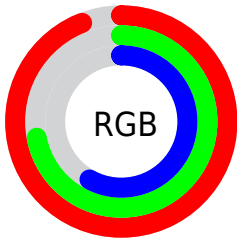
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 206, 149
Decimal	15775893
CIE Lab	79.00, 15.71, 25.59
CIE LCh	79, 30.032, 58.452
Yxy	54.9284, 0.3915, 0.3679
Android (android.graphics.Color)	4293965973 (0xFFFF0B895)
YUV	196.7540, -23.5427, 37.9267
Hunter-Lab	74.1137, 11.0792, 23.1404

# Details

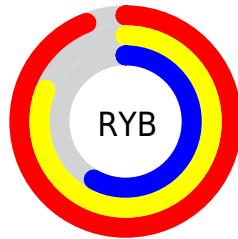
The CIELCh color **79, 30.032, 58.452** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **80, 24.854, 247.624**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 19.735, 91.996**, and **59, 29.931, 58.684** is the 20% darker color. If you saturate the color by 10%, you get **75, 39.254, 57.626**, and if you desaturate by 10%, it is **83, 21.373, 59.341**.

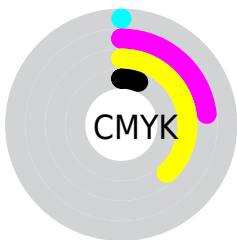
# Distribution



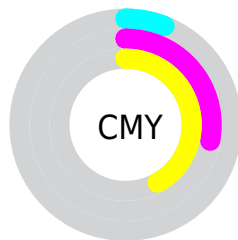
- Red (94%)
- Green (72%)
- Blue (58%)



- Red (94%)
- Yellow (81%)
- Blue (58%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (6%)



- Cyan (6%)
- Magenta (28%)
- Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 30.032, 58.452 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 79, 30.032, 58.452 by changing the saturation by 10% instead.



 79, 30.032, 58.452

 79, 30.032, 58.452

 100, 30.032,  
58.452

 69, 30.032, 58.452

 99, 30.032, 58.452

 59, 30.032, 58.452

 49, 30.032, 58.452

 39, 30.032, 58.452

 29, 30.032, 58.452

 19, 30.032, 58.452

 9, 30.032, 58.452

 0, 30.032, 58.452

 79, 30.032, 58.452

 79, 30.032, 58.452

75, 39.254, 57.626

83, 21.373, 59.341

71, 48.995, 56.842

87, 13.266, 60.259

68, 59.095, 56.070

91, 5.675, 61.170

64, 69.162, 55.198

96, 1.448, 242.600

61, 78.348, 53.958

99, 5.190, 199.204

59, 85.347, 51.926

58, 86.664, 51.511

# Harmonies

# Complementary

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



79, 30.032, 58.452



80, 24.854, 247.624

# Rectangle

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



79, 30.032, 58.452



79, 30.032, 108.452



79, 30.032, 238.452



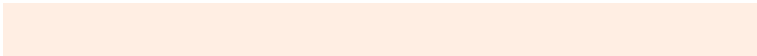
79, 30.032, 288.452

# Sweetspot

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



79, 30.031, 58.458



95, 8.361, 60.894



72, 44.258, 341.065



50, 5.643, 60.770



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 30.031, 58.458



80, 39.352, 57.770



90, 41.215, 100.839



48, 4.086, 61.035



45, 70.507, 52.163



12, 23.921, 49.570





# Inverse Universe

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



80, 24.854, 247.624



81, 31.035, 249.510



68, 44.314, 290.437



48, 3.926, 243.132



46, 44.630, 270.151



12, 17.603, 261.690



# Previews

## White Background



This preview shows how the CIELCh color 79, 30.032, 58.452 looks on a white background.

## Color Contrast Check

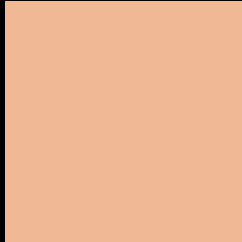
Large Text (above 18pt) WCAG AA × Fail

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 79, 30.032, 58.452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

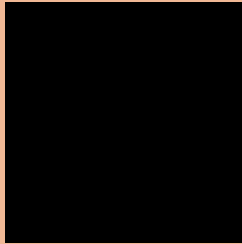
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 30.032, 58.452

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 30.032, 58.452.



This preview shows how white text looks on a background with the CIELCh color 79, 30.032, 58.452.

# 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

79, 30.032, 58.452

### Protanopia

79, 22.858, 94.976

### Deuteranopia

79, 27.911, 69.049



**Tritanopia**  
79, 26.107, 5.296



# Trichromacy



**Original Color**  
79, 30.032, 58.452

**Protanomaly**  
79, 24.190, 80.274

**Deuteranomaly**  
79, 28.662, 65.956

**Tritanomaly**  
79, 24.900, 26.274

# Monochromacy



**Original Color**  
79, 30.032, 58.452

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 10.296, 58.022

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 30.032, 58.452 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(240, 184, 149)` looks like.

```
.text, #text, p{  
    color:rgb(240, 184, 149)  
}
```

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(240, 184, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 184, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 30.032, 58.452 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(240, 184, 149) }
```

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

```
.border{ border-color:rgb(240, 184, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 184, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 184, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 184, 149);  
box-shadow:4px 4px 4px 4px rgb(240, 184,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 30.032, 58.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 184, 149) }
```

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

```
.background{ background-color: rgb(240,  
184, 149) }
```

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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