

# Converting Colors

CIELCh(52, 31.957, 0.985)

Have a look what the booklet for  
CIELCh(52, 31.957, 0.985) contains.

<b>CIELCh(52, 32.113, 0.915)</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(52, 32.113, 0.915)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF667C
RGB	175, 102, 124
RGB Percent	69%, 40%, 49%
CMY	0.3128, 0.5992, 0.5129
CMYK	0.00, 0.42, 0.29, 0.31
HSL	342°, 31%, 54%
HSV	342°, 42%, 69%
XYZ	26.1535, 20.1443, 21.6472
YIQ	126.3350, 36.4460, 22.3180

# Conversions

## Conversions Part 2

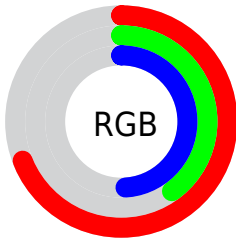
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 102, 124
Decimal	11495036
CIE <sub>Lab</sub>	52.00, 32.11, 0.51
CIE <sub>LCh</sub>	52, 32.113, 0.915
Yxy	20.1443, 0.3849, 0.2965
Android (android.graphics.Color)	4289685116 (0xFFAF667C)
YUV	126.3350, -1.1512, 42.6792
Hunter-Lab	44.8824, 25.4696, 2.8216

# Details

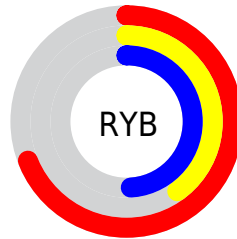
The CIELCh color **52, 32.113, 0.915** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **66, 28.398, 171.607**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 32.132, 1.112**, and **32, 31.775, 1.297** is the 20% darker color. If you saturate the color by 10%, you get **48, 39.878, 2.805**, and if you desaturate by 10%, it is **56, 24.175, 359.367**.

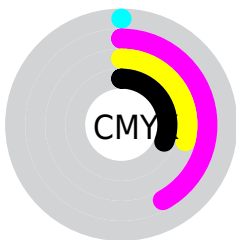
# Distribution



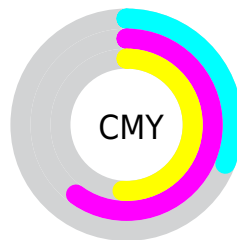
- Red (69%)
- Green (40%)
- Blue (49%)



- Red (69%)
- Yellow (40%)
- Blue (49%)



- Cyan (0%)
- Magenta (42%)
- Yellow (29%)
- Black (31%)



- Cyan (31%)
- Magenta (60%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 32.113, 0.915 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 52, 32.113, 0.915 by changing the saturation by 10% instead.



 52, 32.113, 0.915       52, 32.113, 0.915

 100, 32.113, 0.915       42, 32.113, 0.915

 72, 32.113, 0.915       32, 32.113, 0.915



 82, 32.113, 0.915       22, 32.113, 0.915

 92, 32.113, 0.915       12, 32.113, 0.915

 2, 32.113, 0.915

 0, 32.113, 0.915

 52, 32.113, 0.915       52, 32.113, 0.915

 48, 39.878, 2.805       56, 24.175,  
359.367

 44, 47.170, 5.150

41, 53.638, 8.105

61, 16.294,  
358.064

39, 58.986, 11.838

66, 8.613, 356.935

38, 63.121, 16.466

71, 1.210, 355.668

37, 66.059, 20.757

76, 5.877, 175.252

81, 12.642,  
174.459

86, 19.095,  
173.768

91, 25.253,  
173.147

95, 28.641,  
175.831

# Harmonies

# Complementary

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



52, 32.113, 0.915



66, 28.398, 171.607

# Rectangle

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



52, 32.113, 0.915



52, 32.113, 50.915



52, 32.113, 180.915



52, 32.113, 230.915

# Sweetspot

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



52, 32.111, 0.917



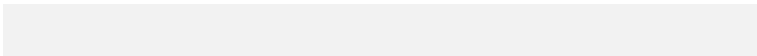
82, 11.876, 357.102



51, 45.653, 316.960



43, 8.413, 357.340



96, 0.011, 296.813



48, 0.006, 296.813



# Same Dimension

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



52, 32.111, 0.917



62, 47.632, 2.636



55, 27.714, 37.938



34, 4.123, 356.682



31, 58.818, 19.991



2, 8.320, 359.828





# Inverse Universe

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



52, 32.111, 0.917



62, 47.632, 2.636



63, 20.475, 219.526



34, 4.123, 356.682



31, 58.818, 19.991

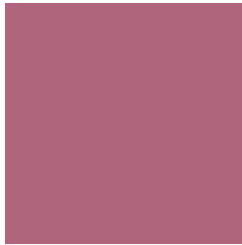


2, 8.320, 359.828



# Previews

## White Background



This preview shows how the CIELCh color 52, 32.113, 0.915 looks on a white background.

## Color Contrast Check

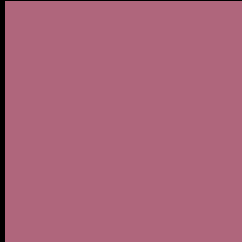
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 32.113, 0.915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

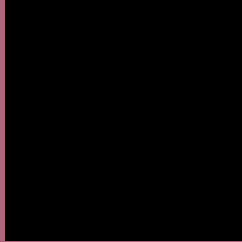
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 32.113, 0.915

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 32.113, 0.915.



This preview shows how white text looks on a background with the CIELCh color 52, 32.113, 0.915.

# 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

52, 32.113, 0.915

### Protanopia

52, 7.549, 288.231

### Deuteranopia

52, 7.400, 15.729



**Tritanopia**  
52, 30.004, 14.670



# Trichromacy



**Original Color**  
52, 32.113, 0.915

**Protanomaly**  
52, 13.912, 339.266

**Deuteranomaly**  
52, 16.308, 5.029

**Tritanomaly**  
52, 30.519, 9.533

# Monochromacy



**Original Color**  
52, 32.113, 0.915

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
52, 11.899, 358.018

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 32.113, 0.915 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(175, 102, 124)` looks like.

```
.text, #text, p{  
    color:rgb(175, 102, 124)  
}
```

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(175, 102, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 102, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 32.113, 0.915 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(175, 102, 124) }
```

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

```
.border{ border-color:rgb(175, 102, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 102, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 102, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 102, 124);  
box-shadow:4px 4px 4px 4px rgb(175, 102,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 32.113, 0.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 102, 124) }
```

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

```
.background{ background-color: rgb(175,  
102, 124) }
```

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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