

# Converting Colors

CIELCh(60, 20.365, 6.129)

Have a look what the booklet for  
CIELCh(60, 20.365, 6.129) contains.

<b>CIELCh(60, 20.345, 7.372)</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(60, 20.345, 7.372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5848D
RGB	181, 132, 141
RGB Percent	71%, 52%, 55%
CMY	0.2914, 0.4835, 0.4482
CMYK	0.00, 0.27, 0.22, 0.29
HSL	349°, 25%, 61%
HSV	349°, 27%, 71%
XYZ	31.9800, 28.1233, 28.8276
YIQ	147.6770, 26.3150, 13.1870

# Conversions

## Conversions Part 2

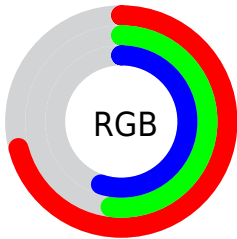
Format	Color
<a href="#">RYB</a>	<a href="#">181, 132, 141</a>
Decimal	<a href="#">11895949</a>
CIELab	<a href="#">60.00, 20.18, 2.61</a>
CIELCh	<a href="#">60, 20.345, 7.372</a>
Yxy	<a href="#">28.1233, 0.3596, 0.3162</a>
Android (android.graphics.Color)	<a href="#">4290086029 (0xFFB5848D)</a>
YUV	<a href="#">147.6770, -3.2918, 29.2243</a>
Hunter-Lab	<a href="#">53.0314, 14.8374, 4.8923</a>

# Details

The CIELCh color **60, 20.345, 7.372** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **70, 18.111, 182.087**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 20.711, 6.419**, and **40, 20.307, 7.203** is the 20% darker color. If you saturate the color by 10%, you get **55, 28.440, 8.873**, and if you desaturate by 10%, it is **65, 12.524, 6.134**.

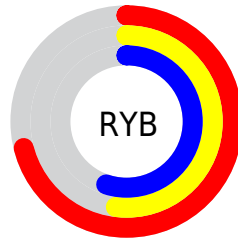
# Distribution



Red (71%)

Green (52%)

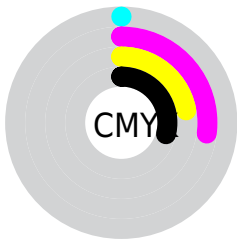
Blue (55%)



Red (71%)

Yellow (52%)

Blue (55%)

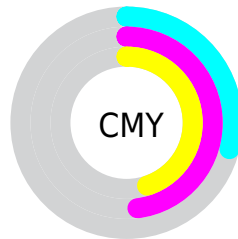


Cyan (0%)

Magenta (27%)

Yellow (22%)

Black (29%)



Cyan (29%)

Magenta (48%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 20.345, 7.372 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 60, 20.345, 7.372 by changing the saturation by 10% instead.



 60, 20.345, 7.372       60, 20.345, 7.372

 100, 20.345, 7.372       50, 20.345, 7.372


 80, 20.345, 7.372       40, 20.345, 7.372

 90, 20.345, 7.372       30, 20.345, 7.372

 20, 20.345, 7.372

 10, 20.345, 7.372

 0, 20.345, 7.372

 60, 20.345, 7.372       60, 20.345, 7.372

 55, 28.440, 8.873       65, 12.524, 6.134

 51, 36.664, 10.719       70, 5.065, 5.049

47, 44.781, 13.033

75, 2.001, 184.504

44, 52.496, 15.958

80, 8.675, 183.561

41, 59.512, 19.634

85, 14.976,  
182.871

39, 65.646, 24.117

91, 20.930,  
182.271

38, 70.942, 29.185

38, 72.467, 30.559

95, 25.115,  
184.712

95, 23.793,  
197.950

# Harmonies

# Complementary

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



60, 20.345, 7.372



70, 18.111, 182.087

# Rectangle

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



60, 20.345, 7.372



60, 20.345, 57.372



60, 20.345, 187.372



60, 20.345, 237.372

# Sweetspot

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



60, 20.343, 7.376



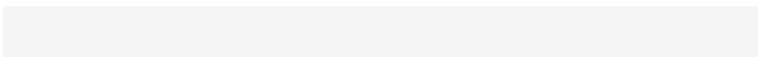
88, 7.071, 5.160



60, 31.098, 319.998



46, 5.041, 5.318



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



60, 20.343, 7.376



73, 31.058, 8.307



63, 16.517, 49.925



35, 4.021, 5.285



31, 63.657, 29.791



2, 9.373, 7.780





# Inverse Universe

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



60, 20.343, 7.376



73, 31.058, 8.307



66, 14.084, 234.116



35, 4.021, 5.285



31, 63.657, 29.791

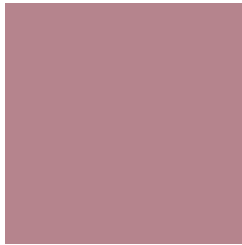


2, 9.373, 7.780



# Previews

## White Background



This preview shows how the CIELCh color 60, 20.345, 7.372 looks on a white background.

## Color Contrast Check

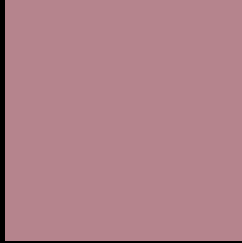
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 20.345, 7.372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

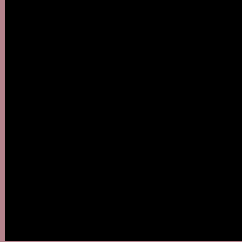
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 60, 20.345, 7.372**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 20.345, 7.372.



This preview shows how white text looks on a background with the CIELCh color 60, 20.345, 7.372.

# 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

60, 20.345, 7.372

### Protanopia

60, 2.556, 317.345

### Deuteranopia

60, 8.440, 23.996



**Tritanopia**  
60, 20.437, 5.832



# Trichromacy



**Original Color**  
60, 20.345, 7.372

**Protanomaly**  
60, 8.008, 359.648

**Deuteranomaly**  
60, 12.570, 13.019

**Tritanomaly**  
60, 20.437, 5.832

# Monochromacy



**Original Color**  
60, 20.345, 7.372

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 7.451, 2.577

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 20.345, 7.372 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(181, 132, 141)` looks like.

```
.text, #text, p{  
    color:rgb(181, 132, 141)  
}
```

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(181, 132, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 132, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 20.345, 7.372 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(181, 132, 141) }
```

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

```
.border{ border-color:rgb(181, 132, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 132, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 132, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 132, 141);  
box-shadow:4px 4px 4px 4px rgb(181, 132,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 20.345, 7.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 132, 141) }
```

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

```
.background{ background-color: rgb(181,  
132, 141) }
```

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