

# Converting Colors

CIELCh(65, 7.912, 322.519)

Have a look what the booklet for  
CIELCh(65, 7.912, 322.519) contains.

<b>CIELCh(65, 7.905, 322.505)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(65, 7.905, 322.505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A59AA6
RGB	165, 154, 166
RGB Percent	65%, 60%, 65%
CMY	0.3514, 0.3946, 0.3475
CMYK	0.01, 0.07, 0.00, 0.35
HSL	295°, 6%, 63%
HSV	295°, 7%, 65%
XYZ	34.1363, 34.0472, 41.0369
YIQ	158.6570, 2.7040, 6.0640

# Conversions

## Conversions Part 2

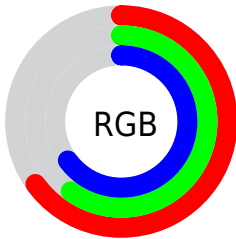
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 154, 166
Decimal	10853030
CIELab	65.00, 6.27, -4.81
CIELCh	65, 7.905, 322.505
Yxy	34.0472, 0.3125, 0.3117
Android (android.graphics.Color)	4289043110 (0xFFA59AA6)
YUV	158.6570, 3.6201, 5.5628
Hunter-Lab	58.3500, 2.3149, -0.8531

# Details

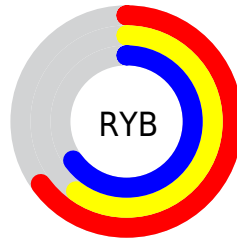
The CIELCh color  $65, 7.905, 322.505$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 7.879, 141.840$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 8.128, 322.620$ , and  $45, 7.751, 322.398$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 18.972, 323.008$ , and if you desaturate by 10%, it is  $70, 3.014, 142.118$ .

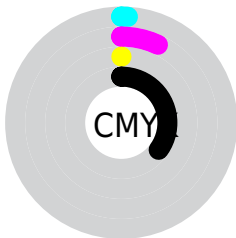
# Distribution



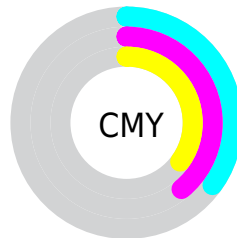
- Red (65%)
- Green (60%)
- Blue (65%)



- Red (65%)
- Yellow (60%)
- Blue (65%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (35%)
- Magenta (39%)
- Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 7.905, 322.505 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 65, 7.905, 322.505 by changing the saturation by 10% instead.



 65, 7.905, 322.505

 65, 7.905, 322.505

 100, 7.905,  
322.505

 55, 7.905, 322.505

 85, 7.905, 322.505

 45, 7.905, 322.505

 95, 7.905, 322.505

 35, 7.905, 322.505

 25, 7.905, 322.505


 15, 7.905, 322.505

 5, 7.905, 322.505

 0, 7.905, 322.505

 65, 7.905, 322.505

 65, 7.905, 322.505

 61, 18.972,

 70, 3.014, 142.118

323.008

74, 13.697,  
141.596

56, 30.064,  
323.494

79, 24.100,  
141.142

52, 40.982,  
323.956

83, 34.202,  
140.715

48, 51.451,  
324.377

88, 43.996,  
140.316

45, 61.110,  
324.734

93, 53.485,  
139.944

42, 69.532,  
325.002

93, 53.668,  
139.560

40, 76.279,  
325.155

93, 53.405,  
139.168

38, 81.014,  
325.172

93, 53.143,  
138.771

37, 83.741,  
325.053



# Harmonies

# Complementary

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



65, 7.905, 322.505



67, 7.879, 141.840

# Rectangle

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



65, 7.905, 322.505



65, 7.905, 12.505



65, 7.905, 142.505



65, 7.905, 192.505

# Sweetspot

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



65, 7.903, 322.505



85, 2.711, 322.187



64, 6.138, 287.372



46, 1.554, 322.176



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



65, 7.903, 322.505



82, 12.244, 322.605



65, 6.045, 339.906



33, 6.267, 322.612



33, 77.384, 325.044



2, 11.258, 321.303



# Inverse Universe

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



65, 4.691, 12.971



81, 7.305, 13.158



67, 6.000, 158.929



33, 3.740, 13.170



30, 66.097, 35.883

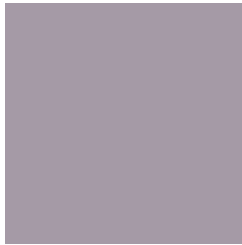


1, 6.617, 13.459



# Previews

## White Background



This preview shows how the CIELCh color 65, 7.905, 322.505 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 65, 7.905, 322.505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

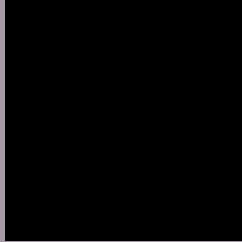
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

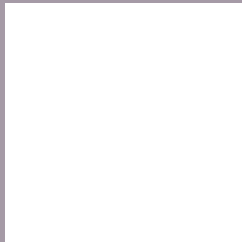
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 7.905, 322.505

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 7.905, 322.505.



This preview shows how white text looks on a background with the CIELCh color 65, 7.905, 322.505.

# 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

65, 7.905, 322.505


### Protanopia

65, 6.136, 294.305

### Deuteranopia

65, 9.905, 328.564





**Tritanopia**  
65, 8.380, 320.500

# Trichromacy



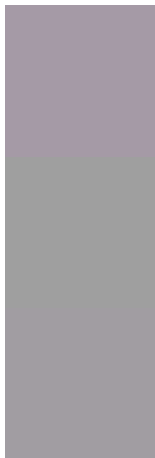
**Original Color**  
65, 7.905, 322.505

**Protanomaly**  
65, 6.427, 307.751

**Deuteranomaly**  
65, 8.999, 326.860

**Tritanomaly**  
65, 8.380, 320.500

# Monochromacy



**Original Color**  
65, 7.905, 322.505

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 3.188, 318.889

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 7.905, 322.505 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(165, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 166)  
}
```

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(165, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 7.905, 322.505 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(165, 154, 166) }
```

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

```
.border{ border-color:rgb(165, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 7.905, 322.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 166) }
```

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

```
.background{ background-color: rgb(165,  
154, 166) }
```

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