

# Converting Colors

CIELCh(65, 10.470, 312.892)

Have a look what the booklet for  
CIELCh(65, 10.470, 312.892)  
contains.

<b>CIELCh(65, 10.361, 314.427)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(65, 10.361, 314.427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A59AAB
RGB	165, 154, 171
RGB Percent	65%, 60%, 67%
CMY	0.3530, 0.3961, 0.3294
CMYK	0.04, 0.10, 0.00, 0.33
HSL	279°, 9%, 64%
HSV	279°, 10%, 67%
XYZ	34.4197, 34.0472, 43.2817
YIQ	159.2270, 1.0990, 7.6190

# Conversions

## Conversions Part 2

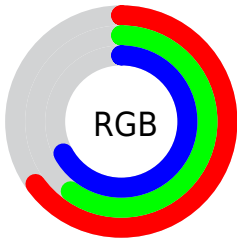
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 154, 171
Decimal	10853035
CIELab	65.00, 7.25, -7.40
CIELCh	65, 10.361, 314.427
Yxy	34.0472, 0.3080, 0.3047
Android (android.graphics.Color)	4289043115 (0xFFA59AAB)
YUV	159.2270, 5.8041, 5.0629
Hunter-Lab	58.3500, 3.1819, -3.1340

# Details

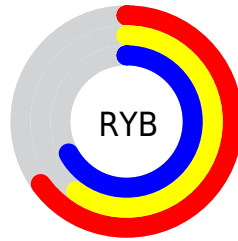
The CIELCh color **65, 10.361, 314.427** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 10.258, 133.633**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 10.444, 314.982**, and **45, 10.398, 313.840** is the 20% darker color. If you saturate the color by 10%, you get **60, 21.003, 314.862**, and if you desaturate by 10%, it is **70, 0.054, 136.772**.

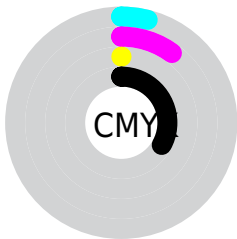
# Distribution



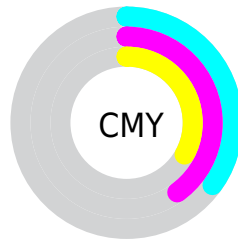
- Red (65%)
- Green (60%)
- Blue (67%)



- Red (65%)
- Yellow (60%)
- Blue (67%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)




- Cyan (35%)
- Magenta (40%)
- Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.361, 314.427 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, 10.361, 314.427 by changing the saturation by 10% instead.





 65, 10.361,  
314.427


 65, 10.361,  
314.427


 100, 10.361,  
314.427


 55, 10.361,  
314.427


 85, 10.361,  
314.427

 45, 10.361,  
314.427

 95, 10.361,  
314.427

 35, 10.361,  
314.427

 25, 10.361,  
314.427

 15, 10.361,  
314.427

 5, 10.361, 314.427

 0, 10.361, 314.427

65, 10.361,  
314.427

65, 10.361,  
314.427

60, 21.003,  
314.862

70, 0.054, 136.772

55, 31.804,  
315.304

75, 10.196,  
133.667

50, 42.634,  
315.738

80, 20.052,  
133.311

46, 53.283,  
316.135

85, 29.618,  
132.993

42, 63.432,  
316.455

90, 38.900,  
132.707

38, 72.632,  
316.644

95, 46.988,  
132.262

35, 80.321,  
316.632

95, 46.038,  
129.897

32, 85.935,

95, 45.165,  
127.393

316.344

■ 96, 44.379,  
124.754

■ 30, 89.611,  
315.808

# Harmonies

# Complementary

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



65, 10.361, 314.427



69, 10.258, 133.633

# Rectangle

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



65, 10.361, 314.427



65, 10.361, 4.427



65, 10.361, 134.427



65, 10.361, 184.427

# Sweetspot

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



65, 10.359, 314.425



87, 3.838, 314.110



66, 6.350, 269.704



46, 2.934, 314.151



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



65, 10.359, 314.425



81, 15.495, 314.524



65, 10.441, 328.859



34, 5.963, 314.398



26, 81.520, 315.912



1, 12.192, 310.875



# Inverse Universe

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



65, 7.365, 353.257



81, 11.032, 353.493



68, 10.417, 147.720



34, 4.238, 353.192



31, 57.711, 15.215

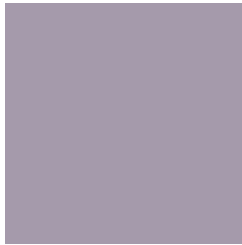


2, 8.498, 356.800



# Previews

## White Background



This preview shows how the CIELCh color 65, 10.361, 314.427 looks on a white background.

## Color Contrast Check

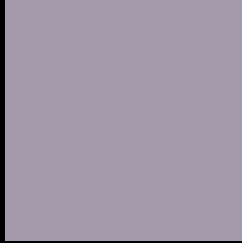
Large Text (above 18pt) WCAG AA × Fail

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 65, 10.361, 314.427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

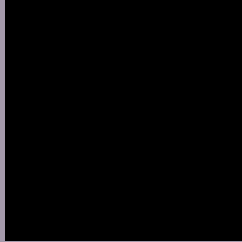
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

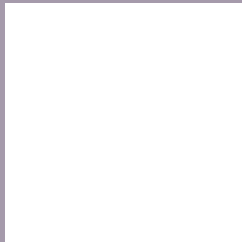
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 10.361, 314.427

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 10.361, 314.427.



This preview shows how white text looks on a background with the CIELCh color 65, 10.361, 314.427.

# 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, 10.361, 314.427


### Protanopia

65, 8.899, 288.766

### Deuteranopia

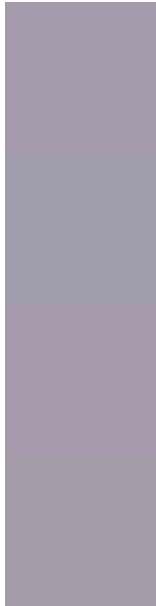
65, 11.357, 318.577





**Tritanopia**  
65, 7.524, 317.572

# Trichromacy



**Original Color**  
65, 10.361, 314.427

**Protanomaly**  
65, 8.991, 298.178

**Deuteranomaly**  
65, 11.189, 316.855

**Tritanomaly**  
65, 8.021, 315.786

# Monochromacy



**Original Color**  
65, 10.361, 314.427

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 3.684, 314.777

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 10.361, 314.427 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 10.361, 314.427 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, 171) }
```

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

```
.border{ border-color:rgb(165, 154, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 171);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 10.361, 314.427 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, 171) }
```

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

```
.background{ background-color: rgb(165,  
154, 171) }
```

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