

# Converting Colors

CIELCh(65, 13.201, 304.304)

Have a look what the booklet for  
CIELCh(65, 13.201, 304.304)  
contains.

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# **Color**

**CIELCh(65, 13.186, 304.300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A29AB1
RGB	162, 154, 177
RGB Percent	64%, 60%, 69%
CMY	0.3640, 0.3954, 0.3052
CMYK	0.08, 0.13, 0.00, 0.31
HSL	261°, 13%, 65%
HSV	261°, 13%, 69%
XYZ	34.4713, 34.0472, 46.4404
YIQ	159.0140, -2.6150, 8.8490

# Conversions

## Conversions Part 2

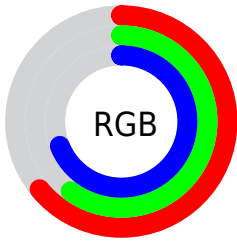
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 154, 177
Decimal	10656433
CIE <sub>Lab</sub>	65.00, 7.43, -10.89
CIE <sub>LCh</sub>	65, 13.186, 304.300
Yxy	34.0472, 0.2999, 0.2962
Android (android.graphics.Color)	4288846513 (0xFFA29AB1)
YUV	159.0140, 8.8671, 2.6187
Hunter-Lab	58.3500, 3.3397, -6.3436

# Details

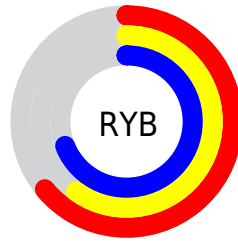
The CIELCh color **65, 13.186, 304.300** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 12.882, 122.908**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 13.593, 304.615**, and **45, 12.895, 303.996** is the 20% darker color. If you saturate the color by 10%, you get **59, 23.728, 304.934**, and if you desaturate by 10%, it is **71, 2.984, 303.719**.

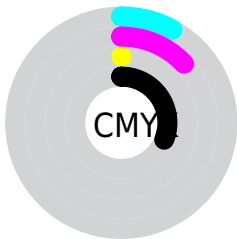
# Distribution



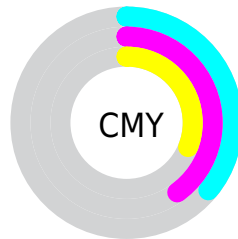
- Red (64%)
- Green (60%)
- Blue (69%)



- Red (64%)
- Yellow (60%)
- Blue (69%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)




- Cyan (36%)
- Magenta (40%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.186, 304.300 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, 13.186, 304.300 by changing the saturation by 10% instead.





 65, 13.186,  
304.300


 65, 13.186,  
304.300


 100, 13.186,  
304.300


 55, 13.186,  
304.300


 85, 13.186,  
304.300

 45, 13.186,  
304.300

 95, 13.186,  
304.300

 35, 13.186,  
304.300

 25, 13.186,  
304.300

 15, 13.186,  
304.300

 5, 13.186, 304.300

 0, 13.186, 304.300

65, 13.186,  
304.300

65, 13.186,  
304.300

59, 23.728,  
304.934

71, 2.984, 303.719

54, 34.595,  
305.638

76, 6.872, 123.252

48, 45.724,  
306.399

82, 16.396,  
122.815

43, 56.980,  
307.194

87, 25.602,  
122.438

38, 68.092,  
307.972

93, 34.508,  
122.113

33, 78.577,  
308.647

97, 40.149,  
120.087


29, 87.673,  
309.091


98, 39.335,  
113.900

26, 94.416,

98, 39.033,  
107.417

309.146

 98, 39.032,  
107.200

 24, 97.933,  
309.031

# Harmonies

# Complementary

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



65, 13.186, 304.300



71, 12.882, 122.908

# Rectangle

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



65, 13.186, 304.300



65, 13.186, 354.300



65, 13.186, 124.300



65, 13.186, 174.300

# Sweetspot

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



65, 13.184, 304.298



88, 4.945, 303.782



68, 6.888, 236.945



46, 3.514, 303.824



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



65, 13.184, 304.298



80, 20.162, 304.499



66, 14.671, 320.368



35, 5.752, 304.082



20, 87.771, 309.147



1, 13.574, 300.613



# Inverse Universe

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



66, 12.083, 337.186



82, 18.420, 337.440



70, 14.589, 139.184



35, 5.287, 336.906



33, 61.441, 348.157



2, 11.747, 341.378



# Previews

## White Background



This preview shows how the CIELCh color 65, 13.186, 304.300 looks on a white background.

## Color Contrast Check

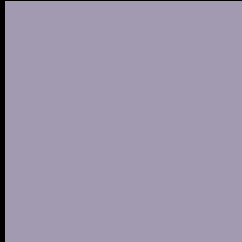
Large Text (above 18pt) WCAG AA × Fail

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, 13.186, 304.300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

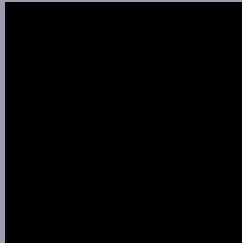
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 13.186, 304.300

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.186, 304.300.



This preview shows how white text looks on a background with the CIELCh color 65, 13.186, 304.300.

# 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, 13.186, 304.300

### Protanopia

65, 12.258, 286.430

### Deuteranopia

65, 13.371, 307.382





**Tritanopia**  
65, 6.960, 306.436

# Trichromacy



**Original Color**  
65, 13.186, 304.300

**Protanomaly**  
65, 12.254, 293.157

**Deuteranomaly**  
65, 13.274, 305.850

**Tritanomaly**  
65, 9.215, 305.064

# Monochromacy



**Original Color**  
65, 13.186, 304.300

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 5.147, 303.329

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 13.186, 304.300 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(162, 154, 177)` looks like.

```
.text, #text, p{  
    color:rgb(162, 154, 177)  
}
```

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(162, 154, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 154, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 13.186, 304.300 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(162, 154, 177) }
```

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

```
.border{ border-color:rgb(162, 154, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 154, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 154, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 154, 177);  
box-shadow:4px 4px 4px 4px rgb(162, 154,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 13.186, 304.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 154, 177) }
```

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

```
.background{ background-color: rgb(162,  
154, 177) }
```

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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