

Converting Colors

CIELCh(65, 12.028, 295.690)

Have a look what the booklet for
CIELCh(65, 12.028, 295.690)
contains.

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Color

CIELCh(65, 12.321, 296.536)

Conversions

Conversions Part 1

Format	Color
Hex	9E9BB1
RGB	158, 155, 177
RGB Percent	62%, 61%, 69%
CMY	0.3791, 0.3908, 0.3045
CMYK	0.11, 0.12, 0.00, 0.30
HSL	248°, 12%, 65%
HSV	248°, 12%, 70%
XYZ	33.9157, 34.0472, 46.5609
YIQ	158.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

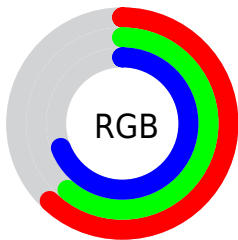
Format	Color
R _Y B	158, 155, 177
Decimal	10394545
CIE Lab	65.00, 5.50, -11.02
CIE LCh	65, 12.321, 296.536
Yxy	34.0472, 0.2961, 0.2973
Android (android.graphics.Color)	4288584625 (0xFF9E9BB1)
YUV	158.4050, 9.1673, -0.3552
Hunter-Lab	58.3500, 1.6400, -6.4660

Details

The CIELCh color $65, 12.321, 296.536$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 11.988, 114.595$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 12.748, 297.497$, and $45, 12.037, 297.326$ is the 20% darker color. If you saturate the color by 10%, you get $59, 22.685, 297.491$, and if you desaturate by 10%, it is $71, 2.353, 295.711$.

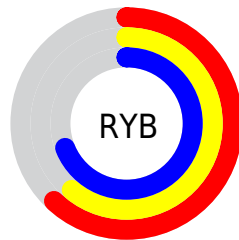
Distribution



Red (62%)

Green (61%)

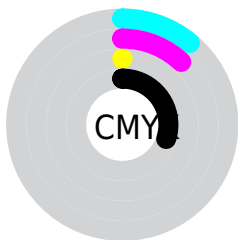
Blue (69%)



Red (62%)

Yellow (61%)

Blue (69%)

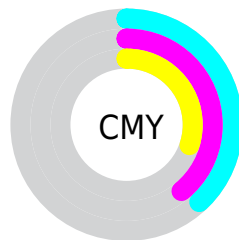


Cyan (11%)

Magenta (12%)

Yellow (0%)

Black (30%)



Cyan (38%)


Magenta (39%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 12.321, 296.536 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, 12.321, 296.536 by changing the saturation by 10% instead.


 65, 12.321,
296.536


 65, 12.321,
296.536


 100, 12.321,
296.536


 55, 12.321,
296.536


 85, 12.321,
296.536

 45, 12.321,
296.536

 95, 12.321,
296.536

 35, 12.321,
296.536

 25, 12.321,
296.536

 15, 12.321,
296.536

 5, 12.321, 296.536

 0, 12.321, 296.536

65, 12.321,
296.536

65, 12.321,
296.536

59, 22.685,
297.491

71, 2.353, 295.711

53, 33.464,
298.597

77, 7.239, 114.996

47, 44.649,
299.857

83, 16.479,
114.388

41, 56.176,
301.261

88, 25.392,
113.866

36, 67.848,
302.762

94, 34.000,
113.417

31, 79.209,
304.256

98, 38.999,
109.905

26, 89.371,
305.556

98, 38.947,
107.206

23, 97.000,

306.410

■ 22, 101.037,
306.819

Harmonies

Complementary

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



65, 12.321, 296.536



72, 11.988, 114.595

Rectangle

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



65, 12.321, 296.536



65, 12.321, 346.536



65, 12.321, 116.536



65, 12.321, 166.536

Sweetspot

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



65, 12.319, 296.533



88, 4.826, 295.838



70, 7.062, 212.111



46, 3.430, 295.896



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, 12.319, 296.533



80, 18.465, 296.791



66, 13.316, 314.088



35, 5.620, 296.265



18, 90.529, 306.880



1, 13.364, 294.313

Inverse Universe

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



67, 13.418, 329.108



83, 20.030, 329.282



71, 13.155, 133.073



35, 6.146, 328.919



35, 71.046, 334.419



2, 14.158, 330.464

Previews

White Background



This preview shows how the CIELCh color 65, 12.321, 296.536 looks on a white background.

Color Contrast Check

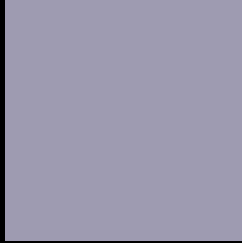
Large Text (above 18pt) WCAG AA × Fail

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, 12.321, 296.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

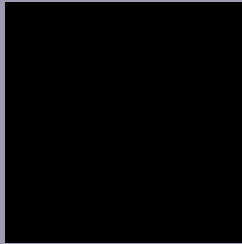
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

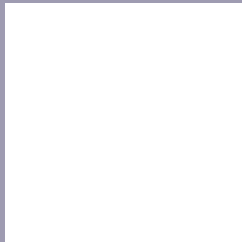
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 12.321, 296.536

Background



This preview shows how black text looks on a background with the CIELCh color 65, 12.321, 296.536.



This preview shows how white text looks on a background with the CIELCh color 65, 12.321, 296.536.

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, 12.321, 296.536

Protanopia

65, 12.252, 288.108

Deuteranopia

65, 13.905, 306.772



Tritanopia
65, 6.675, 290.891

Trichromacy



Original Color
65, 12.321, 296.536

Protanomaly
65, 12.243, 291.469

Deuteranomaly
65, 13.728, 303.811

Tritanomaly
65, 8.921, 293.483

Monochromacy



Original Color
65, 12.321, 296.536

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.469, 295.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 12.321, 296.536 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(158, 155, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 155, 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(158, 155, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 155, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 12.321, 296.536 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(158, 155, 177) }
```

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

```
.border{ border-color:rgb(158, 155, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 155, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 155, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 155, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 155,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 12.321, 296.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 155, 177) }
```

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

```
.background{ background-color: rgb(158,  
155, 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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