

Converting Colors

CIELCh(65, 12.850, 286.969)

Have a look what the booklet for
CIELCh(65, 12.850, 286.969)
contains.

CIELCh(65, 13.362, 288.519)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 13.362, 288.519)

Conversions

Conversions Part 1

Format	Color
Hex	9A9CB4
RGB	154, 156, 180
RGB Percent	60%, 61%, 71%
CMY	0.3952, 0.3874, 0.2932
CMYK	0.14, 0.13, 0.00, 0.29
HSL	235°, 15%, 66%
HSV	235°, 14%, 71%
XYZ	33.5553, 34.0472, 48.1045
YIQ	158.1380, -8.8960, 7.0400

Conversions

Conversions Part 2

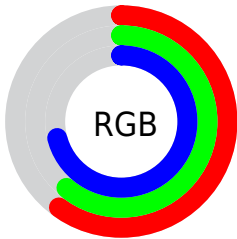
Format	Color
RYB	154, 156, 180
Decimal	10132660
CIELab	65.00, 4.24, -12.67
CIELCh	65, 13.362, 288.519
Yxy	34.0472, 0.2900, 0.2943
Android (android.graphics.Color)	4288322740 (0xFF9A9CB4)
YUV	158.1380, 10.7780, -3.6290
Hunter-Lab	58.3500, 0.5376, -8.0345

Details

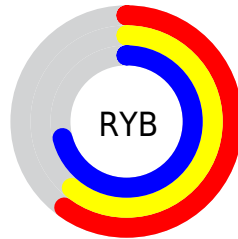
The CIELCh color $65, 13.362, 288.519$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 13.002, 105.425$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 13.694, 289.906$, and $45, 13.148, 288.733$ is the 20% darker color. If you saturate the color by 10%, you get $59, 23.045, 289.871$, and if you desaturate by 10%, it is $71, 4.033, 287.373$.

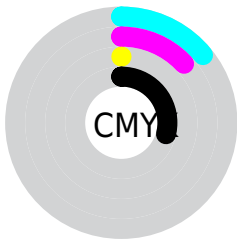
Distribution



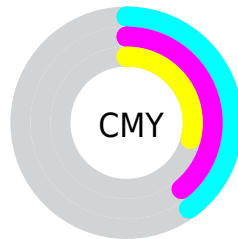
- Red (60%)
- Green (61%)
- Blue (71%)



- Red (60%)
- Yellow (61%)
- Blue (71%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)



- Cyan (40%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 13.362, 288.519 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, 13.362, 288.519 by changing the saturation by 10% instead.

■ 65, 13.362,
288.519

■ 65, 13.362,
288.519

■ 100, 13.362,
288.519

■ 55, 13.362,
288.519

■ 85, 13.362,
288.519

■ 45, 13.362,
288.519

■ 95, 13.362,
288.519

■ 35, 13.362,
288.519

■ 25, 13.362,
288.519

■ 15, 13.362,
288.519

■ 5, 13.362, 288.519

■ 0, 13.362, 288.519

65, 13.362,
288.519

65, 13.362,
288.519

59, 23.045,
289.871

71, 4.033, 287.373

53, 33.115,
291.460

77, 4.965, 106.345

47, 43.596,
293.310

82, 13.657,
105.509

42, 54.484,
295.426

88, 22.065,
104.781

36, 65.691,
297.774

94, 30.205,
104.151

31, 76.914,
300.239

98, 37.534,
107.316

27, 87.444,
302.603

24, 96.048,

304.558

■ 22, 99.545,
305.309

Harmonies

Complementary

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



65, 13.362, 288.519



72, 13.002, 105.425

Rectangle

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



65, 13.362, 288.519



65, 13.362, 338.519



65, 13.362, 108.519



65, 13.362, 158.519

Sweetspot

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



65, 13.361, 288.516



90, 4.511, 287.337



71, 9.500, 191.505



47, 3.206, 287.413



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 13.361, 288.516



81, 19.605, 288.881



65, 15.054, 306.824



35, 5.156, 287.904



18, 87.638, 305.124



1, 12.530, 287.689

Inverse Universe

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



66, 10.255, 14.181



82, 15.115, 14.470



72, 14.711, 125.418



35, 3.925, 13.690



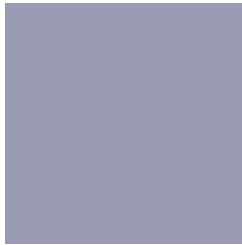
31, 68.115, 36.328



2, 9.200, 14.471

Previews

White Background



This preview shows how the CIELCh color 65, 13.362, 288.519 looks on a white background.

Color Contrast Check

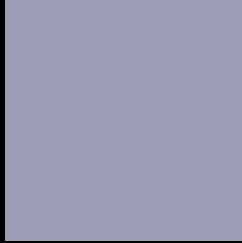
Large Text (above 18pt) WCAG AA × Fail

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, 13.362, 288.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

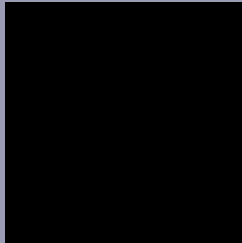
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 13.362, 288.519

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.362, 288.519.



This preview shows how white text looks on a background with the CIELCh color 65, 13.362, 288.519.

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

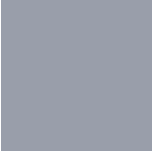
65, 13.362, 288.519

Protanopia

65, 13.362, 288.519

Deuteranopia

65, 15.359, 302.575



Tritanopia
65, 6.884, 275.422

Trichromacy



Original Color
65, 13.362, 288.519

Protanomaly
65, 13.362, 288.519

Deuteranomaly
65, 14.572, 297.354

Tritanomaly
65, 9.538, 282.423

Monochromacy



Original Color
65, 13.362, 288.519

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 5.008, 290.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.362, 288.519 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(154, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 180)  
}
```

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(154, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.362, 288.519 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(154, 156, 180) }
```

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

```
.border{ border-color:rgb(154, 156, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.362, 288.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 180) }
```

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

```
.background{ background-color: rgb(154,  
156, 180) }
```

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