

Converting Colors

CIELCh(65, 29.554, 292.804)

Have a look what the booklet for
CIELCh(65, 29.554, 292.804)
contains.

CIELCh(65, 29.510, 293.222)	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, 29.510, 293.222)

Conversions

Conversions Part 1

Format	Color
Hex	9999CE
RGB	153, 153, 206
RGB Percent	60%, 60%, 81%
CMY	0.3997, 0.3997, 0.1918
CMYK	0.26, 0.26, 0.00, 0.19
HSL	240°, 35%, 70%
HSV	240°, 26%, 81%
XYZ	35.7053, 34.0472, 63.1333
YIQ	159.0420, -17.0130, 16.4830

Conversions

Conversions Part 2

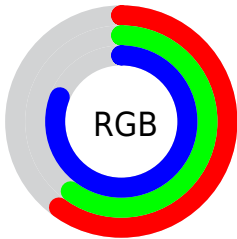
Format	Color
R _Y B	153, 153, 206
Decimal	10066382
CIE Lab	65.00, 11.64, -27.12
CIE LCh	65, 29.510, 293.222
Yxy	34.0472, 0.2687, 0.2562
Android (android.graphics.Color)	4288256462 (0xFF9999CE)
YUV	159.0420, 23.1503, -5.2988
Hunter-Lab	58.3500, 7.1146, -23.3054

Details

The CIELCh color `65, 29.510, 293.222` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `82, 27.765, 107.697`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 25.325, 293.048`, and `45, 29.858, 293.571` is the 20% darker color. If you saturate the color by 10%, you get `58, 41.867, 294.791`, and if you desaturate by 10%, it is `72, 17.665, 291.885`.

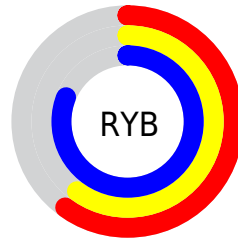
Distribution



Red (60%)

Green (60%)

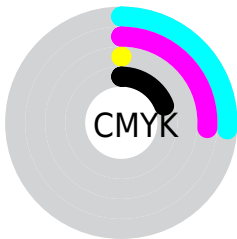
Blue (81%)



Red (60%)

Yellow (60%)

Blue (81%)

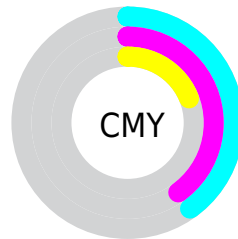


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (19%)



Cyan (40%)

Magenta (40%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 29.510, 293.222 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, 29.510, 293.222 by changing the saturation by 10% instead.


 65, 29.510,
293.222


 65, 29.510,
293.222


 100, 29.510,
293.222


 55, 29.510,
293.222


 85, 29.510,
293.222

 45, 29.510,
293.222


 95, 29.510,
293.222

 35, 29.510,
293.222

 25, 29.510,
293.222

 15, 29.510,
293.222

 5, 29.510, 293.222

 0, 29.510, 293.222

65, 29.510,
293.222

65, 29.510,
293.222

58, 41.867,
294.791

72, 17.665,
291.885

51, 54.746,
296.610

79, 6.304, 290.757

86, 4.610, 109.771

45, 68.069,
298.662

93, 15.113,
108.965

38, 81.539,
300.863

99, 24.694,
108.305

33, 94.392,
303.023

28, 105.146,
304.830

26, 111.928,
305.953

25, 113.967,

Harmonies

Complementary

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



65, 29.510, 293.222



82, 27.765, 107.697

Rectangle

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



65, 29.510, 293.222



65, 29.510, 343.222



65, 29.510, 113.222



65, 29.510, 163.222

Sweetspot

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



65, 29.509, 293.221



93, 10.528, 291.008



79, 17.916, 198.122



49, 7.504, 291.174



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 29.509, 293.221



74, 42.792, 294.080



67, 30.844, 310.297



39, 6.243, 291.148



19, 96.930, 306.287



1, 23.534, 292.446

Inverse Universe

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



70, 34.595, 325.834



82, 49.462, 326.133



80, 29.770, 127.885



40, 7.538, 324.934



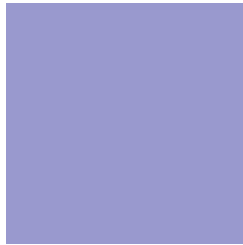
39, 83.711, 328.233



5, 29.042, 327.497

Previews

White Background



This preview shows how the CIELCh color 65, 29.510, 293.222 looks on a white background.

Color Contrast Check

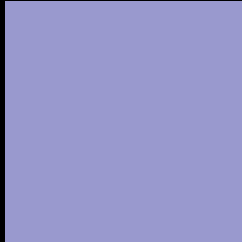
Large Text (above 18pt) WCAG AA × Fail

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, 29.510, 293.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

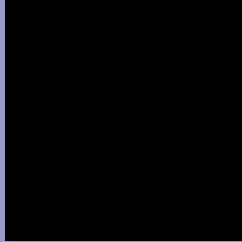
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 29.510, 293.222

Background



This preview shows how black text looks on a background with the CIELCh color 65, 29.510, 293.222.



This preview shows how white text looks on a background with the CIELCh color 65, 29.510, 293.222.

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, 29.510, 293.222

Protanopia

65, 29.072, 284.863

Deuteranopia

65, 28.410, 287.825



Tritanopia
65, 8.519, 257.488

Trichromacy



Original Color
65, 29.510, 293.222

Protanomaly
65, 28.960, 287.995

Deuteranomaly
65, 28.943, 289.922

Tritanomaly
65, 15.207, 281.121

Monochromacy



Original Color
65, 29.510, 293.222

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 10.564, 291.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 29.510, 293.222 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(153, 153, 206)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 206)  
}
```

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(153, 153, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 29.510, 293.222 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(153, 153, 206) }
```

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

```
.border{ border-color:rgb(153, 153, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 29.510, 293.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 206) }
```

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

```
.background{ background-color: rgb(153,  
153, 206) }
```

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