

Converting Colors

CIELCh(60, 29.937, 330.646)

Have a look what the booklet for
CIELCh(60, 29.937, 330.646)
contains.

CIELCh(60, 29.813, 330.251)	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(60, 29.813, 330.251)

Conversions

Conversions Part 1

Format	Color
Hex	B281AB
RGB	178, 129, 171
RGB Percent	70%, 51%, 67%
CMY	0.3018, 0.4939, 0.3292
CMYK	0.00, 0.28, 0.04, 0.30
HSL	309°, 24%, 60%
HSV	309°, 28%, 70%
XYZ	33.5804, 28.1233, 42.2076
YIQ	148.4390, 15.7220, 23.4500

Conversions

Conversions Part 2

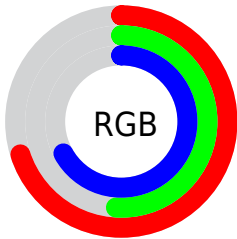
Format	Color
R _{YB}	178, 129, 171
Decimal	11698603
CIE Lab	60.00, 25.88, -14.79
CIE LCh	60, 29.813, 330.251
Yxy	28.1233, 0.3232, 0.2706
Android (android.graphics.Color)	4289888683 (0xFFB281AB)
YUV	148.4390, 11.1226, 25.9250
Hunter-Lab	53.0314, 20.2243, -10.0667

Details

The CIELCh color $60, 29.813, 330.251$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68, 29.742, 146.655$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 29.839, 330.317$, and $40, 29.993, 330.332$ is the 20% darker color. If you saturate the color by 10%, you get $56, 40.422, 330.871$, and if you desaturate by 10%, it is $64, 18.962, 329.636$.

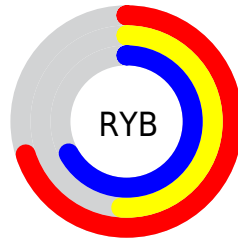
Distribution



Red (70%)

Green (51%)

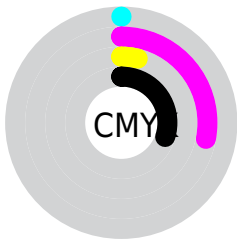
Blue (67%)



Red (70%)

Yellow (51%)

Blue (67%)

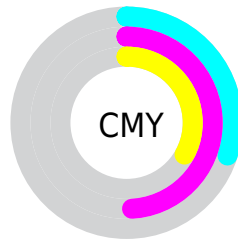


Cyan (0%)

Magenta (28%)

Yellow (4%)

Black (30%)



Cyan (30%)


Magenta (49%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 29.813, 330.251 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 60, 29.813, 330.251 by changing the saturation by 10% instead.


 60, 29.813,
330.251


 60, 29.813,
330.251


 100, 29.813,
330.251


 50, 29.813,
330.251


 80, 29.813,
330.251

 40, 29.813,
330.251

 90, 29.813,
330.251

 30, 29.813,
330.251

 20, 29.813,
330.251

 10, 29.813,
330.251

 0, 29.813, 330.251

 60, 29.813,

 60, 29.813,

330.251

56, 40.422,
330.871

52, 50.487,
331.492

49, 59.611,
332.112

46, 67.341,
332.731

43, 73.236,
333.355

42, 76.986,
334.000

41, 78.650,
334.684

41, 78.948,
334.856

330.251

64, 18.962,
329.636

69, 8.098, 329.019

74, 2.635, 148.574

79, 13.144,
147.933

83, 23.376,
147.389

88, 33.307,
146.875

93, 42.932,
146.390

94, 42.679,
147.326

 94, 41.656,
148.422

Harmonies

Complementary

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



60, 29.813, 330.251



68, 29.742, 146.655

Rectangle

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



60, 29.813, 330.251



60, 29.813, 20.251



60, 29.813, 150.251



60, 29.813, 200.251

Sweetspot

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



60, 29.811, 330.251



87, 10.688, 329.058



56, 28.229, 297.937



46, 7.664, 329.152



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 29.811, 330.251



74, 44.229, 330.626



59, 21.782, 354.334



35, 6.117, 329.132



35, 70.691, 334.765



2, 14.068, 330.776

Inverse Universe

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



60, 29.811, 330.251



74, 44.229, 330.626



69, 20.478, 168.871



35, 6.117, 329.132



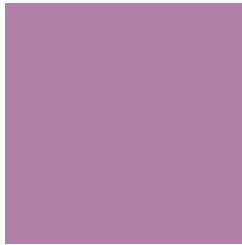
35, 70.691, 334.765



2, 14.068, 330.776

Previews

White Background



This preview shows how the CIELCh color 60, 29.813, 330.251 looks on a white background.

Color Contrast Check

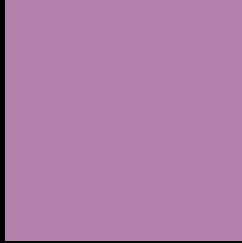
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 29.813, 330.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

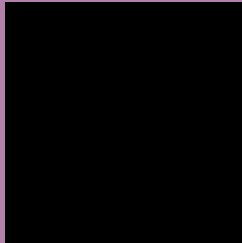
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 29.813, 330.251

Background



This preview shows how black text looks on a background with the CIELCh color 60, 29.813, 330.251.



This preview shows how white text looks on a background with the CIELCh color 60, 29.813, 330.251.

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
60, 29.813, 330.251

Protanopia
60, 21.540, 286.167

Deuteranopia
60, 16.036, 299.733



Tritanopia
60, 17.271, 2.390

Trichromacy



Original Color
60, 29.813, 330.251

Protanomaly
60, 22.653, 304.368

Deuteranomaly
60, 20.291, 314.492

Tritanomaly
60, 21.069, 345.870

Monochromacy



Original Color
60, 29.813, 330.251

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 10.955, 330.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 29.813, 330.251 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(178, 129, 171)` looks like.

```
.text, #text, p{  
    color:rgb(178, 129, 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(178, 129, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 129, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 29.813, 330.251 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(178, 129, 171) }
```

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

```
.border{ border-color:rgb(178, 129, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 129, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 129, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 129, 171);  
box-shadow:4px 4px 4px 4px rgb(178, 129,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 29.813, 330.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 129, 171) }
```

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

```
.background{ background-color: rgb(178,  
129, 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