

Converting Colors

CIELCh(60, 36.206, 307.455)

Have a look what the booklet for
CIELCh(60, 36.206, 307.455)
contains.

CIELCh(60, 36.231, 307.412)	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, 36.231, 307.412)

Conversions

Conversions Part 1

Format	Color
Hex	9E85C3
RGB	158, 133, 195
RGB Percent	62%, 52%, 76%
CMY	0.3791, 0.4771, 0.2339
CMYK	0.19, 0.32, 0.00, 0.23
HSL	264°, 34%, 64%
HSV	264°, 32%, 77%
XYZ	32.4889, 28.1233, 55.5521
YIQ	147.5430, -5.0020, 24.5820

Conversions

Conversions Part 2

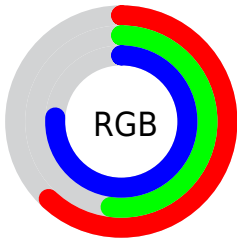
Format	Color
RYB	158, 133, 195
Decimal	10388931
CIELab	60.00, 22.01, -28.78
CIELCh	60, 36.231, 307.412
Yxy	28.1233, 0.2797, 0.2421
Android (android.graphics.Color)	4288579011 (0xFF9E85C3)
YUV	147.5430, 23.3963, 9.1708
Hunter-Lab	53.0314, 16.5504, -24.9862

Details

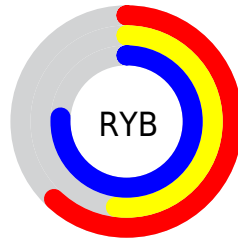
The CIELCh color $60, 36.231, 307.412$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $76, 34.314, 124.027$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 36.509, 307.278$, and $40, 36.347, 307.752$ is the 20% darker color. If you saturate the color by 10%, you get $54, 48.249, 308.081$, and if you desaturate by 10%, it is $66, 24.456, 306.785$.

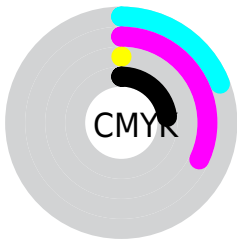
Distribution



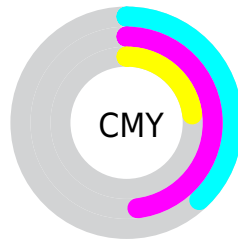
- Red (62%)
- Green (52%)
- Blue (76%)



- Red (62%)
- Yellow (52%)
- Blue (76%)



- Cyan (19%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)





- Cyan (38%)
- Magenta (48%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 36.231, 307.412 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, 36.231, 307.412 by changing the saturation by 10% instead.


 60, 36.231,
307.412


 60, 36.231,
307.412


 100, 36.231,
307.412


 50, 36.231,
307.412


 80, 36.231,
307.412

 40, 36.231,
307.412

 90, 36.231,
307.412


 30, 36.231,
307.412

 20, 36.231,
307.412

 10, 36.231,
307.412

 0, 36.231, 307.412

 60, 36.231,

 60, 36.231,

307.412

307.412

■ 54, 48.249,
308.081

■ 66, 24.456,
306.785

■ 48, 60.355,
308.764

■ 72, 13.007,
306.211

■ 43, 72.246,
309.415

■ 78, 1.913, 305.661

■ 38, 83.405,
309.952

■ 84, 8.821, 125.261

■ 34, 93.052,
310.259

■ 90, 19.201,
124.858


■ 30, 100.224,
310.191

■ 96, 29.241,
124.510

■ 28, 104.259,
309.884

■ 98, 30.644,
118.528

■ 98, 30.089,
110.350

 99, 30.053,
107.893

Harmonies

Complementary

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



60, 36.231, 307.412



76, 34.314, 124.027

Rectangle

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



60, 36.231, 307.412



60, 36.231, 357.412



60, 36.231, 127.412



60, 36.231, 177.412

Sweetspot

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



60, 36.229, 307.412



93, 13.710, 306.124



68, 18.037, 248.341



48, 9.375, 306.202



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 36.229, 307.412



72, 54.323, 307.867



63, 39.777, 323.231



38, 6.212, 306.081



23, 90.034, 310.039



2, 19.935, 302.143

Inverse Universe

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



63, 31.031, 341.414



76, 45.997, 342.101



74, 39.535, 139.788



38, 5.441, 339.452



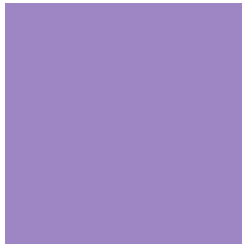
35, 61.887, 352.816



3, 16.828, 346.465

Previews

White Background



This preview shows how the CIELCh color 60, 36.231, 307.412 looks on a white background.

Color Contrast Check

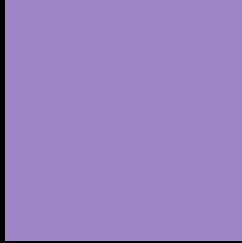
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 60, 36.231, 307.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

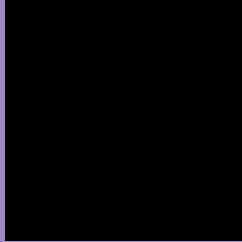
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 36.231, 307.412

Background



This preview shows how black text looks on a background with the CIELCh color 60, 36.231, 307.412.



This preview shows how white text looks on a background with the CIELCh color 60, 36.231, 307.412.

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, 36.231, 307.412

Protanopia

60, 34.068, 284.927

Deuteranopia

60, 28.340, 285.991



Tritanopia
60, 7.144, 319.641

Trichromacy



Original Color
60, 36.231, 307.412

Protanomaly
60, 34.495, 293.403

Deuteranomaly
60, 31.160, 295.405

Tritanomaly
60, 17.388, 310.435

Monochromacy



Original Color
60, 36.231, 307.412

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 12.905, 306.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 36.231, 307.412 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, 133, 195)` looks like.

```
.text, #text, p{  
    color:rgb(158, 133, 195)  
}
```

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, 133, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 133, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 36.231, 307.412 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, 133, 195) }
```

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

```
.border{ border-color:rgb(158, 133, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 133, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 133, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 133, 195);  
box-shadow:4px 4px 4px 4px rgb(158, 133,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 36.231, 307.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 133, 195) }
```

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

```
.background{ background-color: rgb(158,  
133, 195) }
```

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