

Converting Colors

CIELCh(61, 53.290, 310.267)

Have a look what the booklet for
CIELCh(61, 53.290, 310.267)
contains.

CIELCh(61, 53.063, 310.287)	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(61, 53.063, 310.287)

Conversions

Conversions Part 1

Format	Color
Hex	AB80DB
RGB	171, 128, 219
RGB Percent	67%, 50%, 86%
CMY	0.3290, 0.4977, 0.1408
CMYK	0.22, 0.42, 0.00, 0.14
HSL	268°, 56%, 68%
HSV	268°, 42%, 86%
XYZ	37.3432, 29.2481, 70.7593
YIQ	151.2310, -3.5830, 37.4170

Conversions

Conversions Part 2

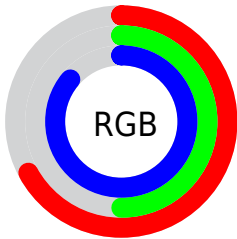
Format	Color
RYB	171, 128, 219
Decimal	11239643
CIELab	61.00, 34.31, -40.48
CIELCh	61, 53.063, 310.287
Yxy	29.2481, 0.2719, 0.2129
Android (android.graphics.Color)	4289429723 (0xFFAB80DB)
YUV	151.2310, 33.4101, 17.3374
Hunter-Lab	54.0815, 28.6113, -39.7169

Details

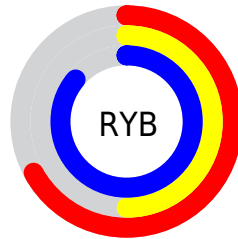
The CIELCh color $61, 53.063, 310.287$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $83, 49.751, 126.128$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 42.551, 314.914$, and $41, 53.183, 310.272$ is the 20% darker color. If you saturate the color by 10%, you get $55, 66.241, 310.857$, and if you desaturate by 10%, it is $67, 39.869, 309.709$.

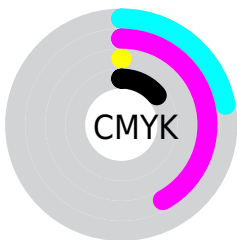
Distribution



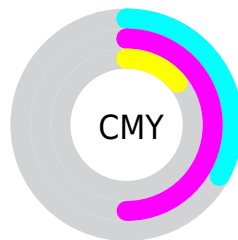
- Red (67%)
- Green (50%)
- Blue (86%)



- Red (67%)
- Yellow (50%)
- Blue (86%)



- Cyan (22%)
- Magenta (42%)
- Yellow (0%)
- Black (14%)



- Cyan (33%)
- Magenta (50%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 53.063, 310.287 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 61, 53.063, 310.287 by changing the saturation by 10% instead.

61, 53.063,
310.287

61, 53.063,
310.287

100, 53.063,
310.287

51, 53.063,
310.287

81, 53.063,
310.287

41, 53.063,
310.287

91, 53.063,
310.287

31, 53.063,
310.287

21, 53.063,
310.287

11, 53.063,
310.287

1, 53.063, 310.287

0, 53.063, 310.287

61, 53.063,
310.287

61, 53.063,
310.287

55, 66.241,
310.857

67, 39.869,
309.709

49, 79.041,
311.369

74, 26.876,
309.153

44, 90.868,
311.746

80, 14.192,
308.634

40, 100.886,
311.879

86, 1.871, 308.110

36, 108.145,
311.644

93, 10.071,
127.763

34, 112.070,
311.166

98, 18.989,
125.017

99, 18.201,
112.291

99, 18.156,
108.804

Harmonies

Complementary

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



61, 53.063, 310.287



83, 49.751, 126.128

Rectangle

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



61, 53.063, 310.287



61, 53.063, 0.287



61, 53.063, 130.287



61, 53.063, 180.287

Sweetspot

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



61, 53.061, 310.287



91, 16.709, 308.662



70, 26.984, 258.860



48, 11.105, 308.728



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 53.061, 310.287



64, 72.656, 310.796



66, 57.586, 325.670



43, 6.967, 308.529



26, 93.955, 311.343



3, 31.040, 308.309

Inverse Universe

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



65, 42.533, 346.241



70, 57.286, 347.433



80, 57.574, 140.521



43, 5.743, 342.927



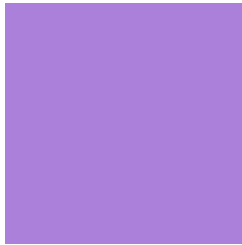
37, 63.855, 359.214



6, 25.366, 352.562

Previews

White Background



This preview shows how the CIELCh color 61, 53.063, 310.287 looks on a white background.

Color Contrast Check

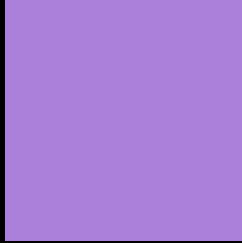
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 53.063, 310.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

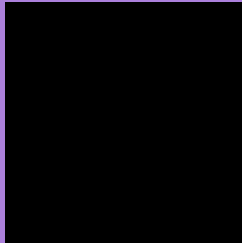
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 53.063, 310.287

Background



This preview shows how black text looks on a background with the CIELCh color 61, 53.063, 310.287.

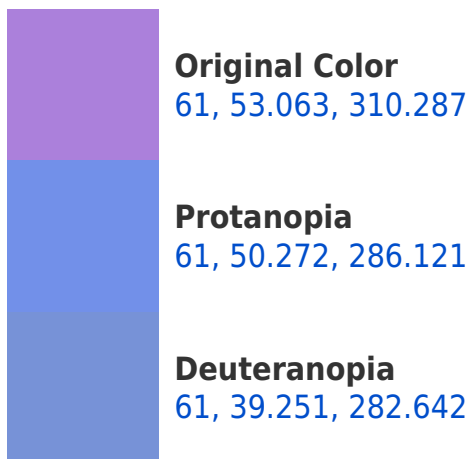



This preview shows how white text looks on a background with the CIELCh color 61, 53.063, 310.287.

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





Tritanopia
61, 9.720, 336.417

Trichromacy



Original Color
61, 53.063, 310.287

Protanomaly
61, 50.667, 294.526

Deuteranomaly
61, 43.413, 294.401

Tritanomaly
61, 25.207, 315.373

Monochromacy



Original Color
61, 53.063, 310.287

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 19.435, 308.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 53.063, 310.287 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(171, 128, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 219)  
}
```

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(171, 128, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 53.063, 310.287 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(171, 128, 219) }
```

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

```
.border{ border-color:rgb(171, 128, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 128, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 128, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 128, 219); box-shadow:4px 4px 4px 4px rgb(171, 128, 219) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 53.063, 310.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 219) }
```

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

```
.background{ background-color: rgb(171,  
128, 219) }
```

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