Converting Colors

CIELCh(61, 79.144, 309.624)

Have a look what the booklet for CIELCh(61, 79.144, 309.624) contains.

Color

CIELCh(61, 78.573, 309.690)

Conversions

Conversions Part 1

Format	Color
Hex	B075FF
RGB	176, 117, 255
RGB Percent	69%, 46%, 100%
CMY	0.3090, 0.5405, 0.0000
CMYK	0.31, 0.54, 0.00, 0.00
HSL	266°, 100%, 73%
HSV	266°, 54%, 100%
XYZ	42.4109, 29.2481, 98.1829
YIQ	150.3730, -9.1340, 55.4260

Conversions

Conversions Part 2

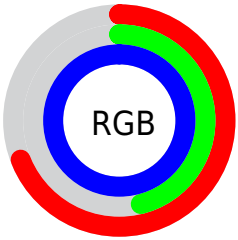
Format	Color
RYB	176, 117, 255
Decimal	11564543
CIELab	61.00, 50.18, -60.46
CIELCh	61, 78.573, 309.690
Yxy	29.2481, 0.2497, 0.1722
Android (android.graphics.Color)	4289754623 (0xFFB075FF)
YUV	150.3730, 51.5811, 22.4749
Hunter-Lab	54.0815, 45.3374, -69.7816

Details

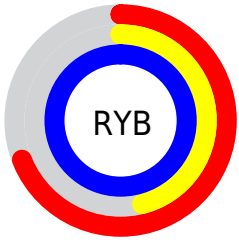
The CIELCh color 61, 78.573, 309.690 is a light color, and the websafe version is hex 9966FF. A complement of this color would be 94, 71.181, 123.951, and the grayscale version is 62, 0.008, 296.813.

A 20% lighter version of the original color is 78, 49.647, 319.101, and 41, 78.207, 309.726 is the 20% darker color. If you saturate the color by 10%, you get 55, 92.910, 310.282, and if you desaturate by 10%, it is 68, 63.534, 309.064.

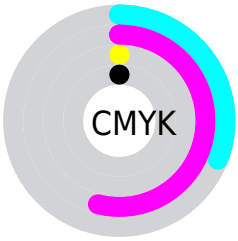
Distribution



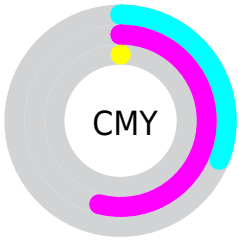
- Red (69%)
- Green (46%)
- Blue (100%)



- Red (69%)
- Yellow (46%)
- Blue (100%)



- Cyan (31%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 78.573, 309.690 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, 78.573, 309.690 by changing the saturation by 10% instead.

61, 78.573, 309.690

100, 78.573, 309.690

81, 78.573, 309.690

91, 78.573, 309.690

61, 78.573, 309.690

51, 78.573, 309.690

41, 78.573, 309.690

31, 78.573, 309.690

21, 78.573, 309.690

11, 78.573, 309.690

1, 78.573, 309.690

0, 78.573, 309.690

61, 78.573, 309.690

55, 92.910, 310.282

49, 106.077, 310.699

44, 116.894, 310.828

40, 124.216, 310.529

39, 126.999, 310.175

61, 78.573, 309.690

68, 63.534, 309.064

75, 48.567, 308.417

82, 33.833, 307.798

90, 19.466, 307.225

97, 5.528, 306.695

100, 0.012, 296.813

Harmonies

Complementary

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

61, 78.573, 309.690

94, 71.181, 123.951

Rectangle

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

61, 78.573, 309.690

61, 78.573, 359.690

61, 78.573, 129.690

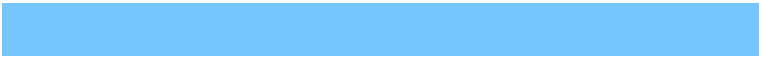
61, 78.573, 179.690

Sweetspot

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

61, 78.472, 309.706

88, 22.237, 307.333



77, 36.828, 256.071

45, 15.061, 307.449

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, 78.472, 309.706

54, 94.232, 310.331

69, 82.014, 324.680

49, 7.823, 306.981

28, 102.080, 310.363

5, 44.916, 310.934

Inverse Universe

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

68, 62.927, 345.405

63, 72.974, 347.106

91, 81.862, 138.221

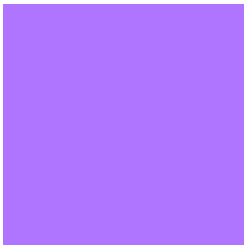
50, 6.703, 340.684

42, 69.558, 355.463

11, 32.724, 350.999

Previews

White Background

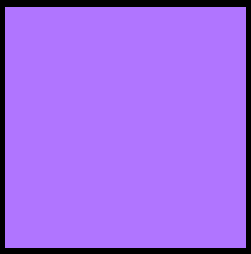


This preview shows how the CIELCh color 61, 78.573, 309.690 looks on a white background.

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



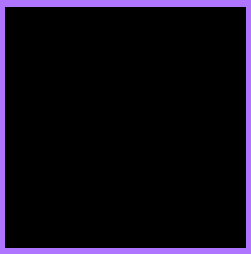
This preview shows how the CIELCh color 61, 78.573, 309.690 looks on a black background.

Color Contrast Check

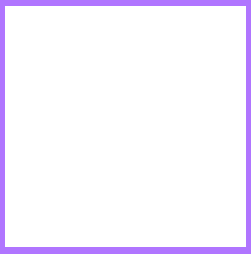
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 61, 78.573, 309.690 Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.573, 309.690.

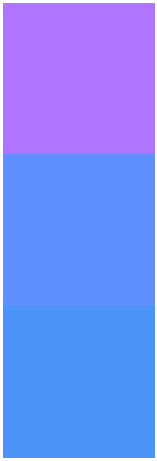


This preview shows how white text looks on a background with the CIELCh color 61, 78.573, 309.690.

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



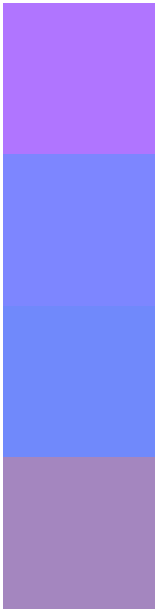
Original Color
61, 78.573, 309.690

Protanopia
61, 62.609, 286.189

Deuteranopia
61, 57.356, 279.576

Tritanopia
61, 8.245, 331.549

Trichromacy



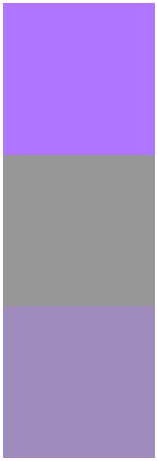
Original Color
61, 78.573, 309.690

Protanomaly
60, 67.949, 295.218

Deuteranomaly
60, 64.168, 291.281

Tritanomaly
61, 33.949, 311.378

Monochromacy



Original Color
61, 78.573, 309.690

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 29.230, 307.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.573, 309.690 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(176, 117, 255) looks like.

```
.text, #text, p{
    color:rgb(176, 117, 255)
}
```

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(176, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.573, 309.690 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(176, 117, 255) }
```

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

```
.border{ border-color:rgb(176, 117, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 117, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 117, 255); box-shadow:4px 4px 4px 4px rgb(176, 117, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.573, 309.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 117, 255) }
```

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

```
.background{ background-color:rgb(176,
117, 255) }
```

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.

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