

Converting Colors

CIELCh(46, 86.650, 314.778)

Have a look what the booklet for
CIELCh(46, 86.650, 314.778)
contains.

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Color

CIELCh(46, 86.720, 314.796)

Conversions

Conversions Part 1

Format	Color
Hex	9841D6
RGB	152, 65, 214
RGB Percent	60%, 25%, 84%
CMY	0.4046, 0.7457, 0.1614
CMYK	0.29, 0.70, 0.00, 0.16
HSL	275°, 64%, 55%
HSV	275°, 70%, 84%
XYZ	26.9161, 15.2687, 65.0377
YIQ	107.9990, 4.0230, 64.7830

Conversions

Conversions Part 2

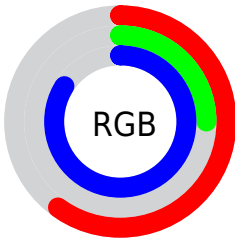
Format	Color
R_{YB}	152, 65, 214
Decimal	9978326
CIE _{Lab}	46.00, 61.10, -61.54
CIE _{LCh}	46, 86.720, 314.796
Yxy	15.2687, 0.2510, 0.1424
Android (android.graphics.Color)	4288168406 (0xFF9841D6)
YUV	107.9990, 52.2585, 38.5889
Hunter-Lab	39.0751, 54.5744, -71.3313

Details

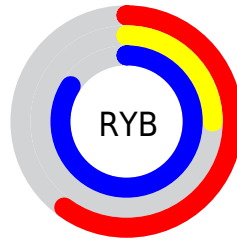
The CIELCh color **46, 86.720, 314.796** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **78, 80.159, 129.070**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 78.680, 316.983**, and **26, 85.306, 314.573** is the 20% darker color. If you saturate the color by 10%, you get **42, 96.185, 314.812**, and if you desaturate by 10%, it is **51, 75.463, 314.560**.

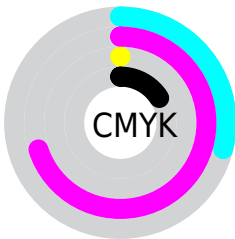
Distribution



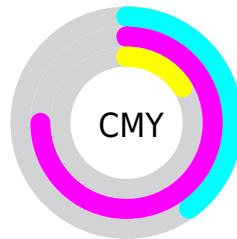
- Red (60%)
- Green (25%)
- Blue (84%)



- Red (60%)
- Yellow (25%)
- Blue (84%)



- Cyan (29%)
- Magenta (70%)
- Yellow (0%)
- Black (16%)





- Cyan (40%)
- Magenta (75%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 86.720, 314.796 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 46, 86.720, 314.796 by changing the saturation by 10% instead.

 46, 86.720,
314.796


 46, 86.720,
314.796


 100, 86.720,
314.796

 36, 86.720,
314.796

 66, 86.720,
314.796


 26, 86.720,
314.796

 76, 86.720,
314.796


 16, 86.720,
314.796

 86, 86.720,
314.796

 6, 86.720, 314.796

 96, 86.720,
314.796

 0, 86.720, 314.796

 46, 86.720,

 46, 86.720,

314.796

■ 42, 96.185,
314.812

■ 39, 103.089,
314.514

■ 36, 107.281,
313.886

■ 36, 107.405,
313.865

314.796

■ 51, 75.463,
314.560

■ 56, 63.147,
314.187

■ 62, 50.326,
313.742


■ 68, 37.374,
313.269

■ 74, 24.526,
312.796

■ 80, 11.915,
312.339

■ 86, 0.383, 132.330

■ 92, 12.336,
131.559

 97, 22.567,
130.452

Harmonies

Complementary

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



46, 86.720, 314.796



78, 80.159, 129.070

Rectangle

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



46, 86.720, 314.796



46, 86.720, 4.796



46, 86.720, 134.796



46, 86.720, 184.796

Sweetspot

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



46, 86.719, 314.796



85, 30.247, 312.868



53, 51.244, 279.649



43, 20.535, 312.999



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 86.719, 314.796



48, 114.339, 314.703



54, 82.762, 330.609



42, 6.996, 312.328



28, 90.741, 314.036



4, 29.619, 311.874

Inverse Universe

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



51, 62.546, 358.780



57, 80.262, 3.767



76, 85.040, 140.033



42, 5.239, 349.227



36, 62.647, 9.779



5, 22.833, 359.686

Previews

White Background



This preview shows how the CIELCh color 46, 86.720, 314.796 looks on a white background.

Color Contrast Check

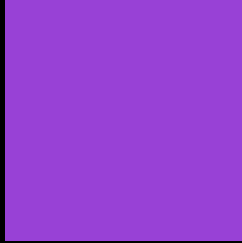
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 86.720, 314.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

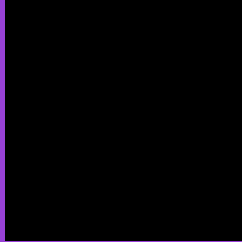
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 86.720, 314.796

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.720, 314.796.

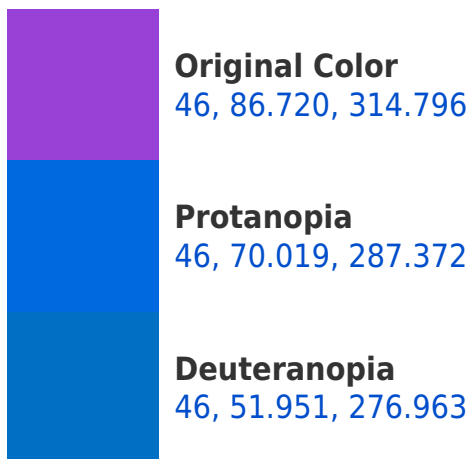


This preview shows how white text looks on a background with the CIELCh color 46, 86.720, 314.796.

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
46, 14.634, 2.602

Trichromacy



Original Color
46, 86.720, 314.796



Protanomaly
43, 77.270, 295.082



Deuteranomaly
43, 64.645, 291.435



Tritanomaly
45, 39.756, 323.527

Monochromacy



Original Color
46, 86.720, 314.796



Achromatopsia
46, 0.006, 296.813



Achromatomaly
44, 34.350, 313.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.720, 314.796 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(152, 65, 214)` looks like.

```
.text, #text, p{  
    color:rgb(152, 65, 214)  
}
```

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(152, 65, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 65, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.720, 314.796 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(152, 65, 214) }
```

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

```
.border{ border-color:rgb(152, 65, 214) }
```

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

Here you see how a box with a 4 pixel rgb(152, 65, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 65, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 65, 214);  
box-shadow:4px 4px 4px 4px rgb(152, 65,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.720, 314.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 65, 214) }
```

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

```
.background{ background-color: rgb(152, 65,  
214) }
```

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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