

Converting Colors

CIELCh(46, 59.913, 317.151)

Have a look what the booklet for
CIELCh(46, 59.913, 317.151)
contains.

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Color

CIELCh(46, 60.040, 317.012)

Conversions

Conversions Part 1

Format	Color
Hex	9251B2
RGB	146, 81, 178
RGB Percent	57%, 32%, 70%
CMY	0.4266, 0.6816, 0.3011
CMYK	0.18, 0.54, 0.00, 0.30
HSL	280°, 39%, 51%
HSV	280°, 54%, 70%
XYZ	22.9077, 15.2687, 43.9742
YIQ	111.4930, 7.6030, 43.9470

Conversions

Conversions Part 2

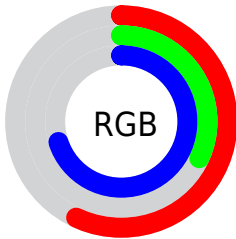
Format	Color
R_{YB}	146, 81, 178
Decimal	9589170
CIE _{Lab}	46.00, 43.92, -40.94
CIE _{LCh}	46, 60.040, 317.012
Yxy	15.2687, 0.2789, 0.1859
Android (android.graphics.Color)	4287779250 (0xFF9251B2)
YUV	111.4930, 32.7880, 30.2626
Hunter-Lab	39.0751, 36.2637, -39.3709

Details

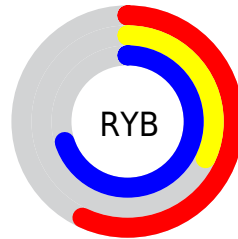
The CIELCh color $46, 60.040, 317.012$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $67, 57.451, 132.132$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 59.812, 317.046$, and $26, 60.392, 316.834$ is the 20% darker color. If you saturate the color by 10%, you get $42, 70.065, 317.266$, and if you desaturate by 10%, it is $50, 49.251, 316.656$.

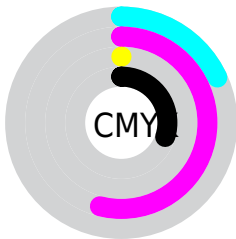
Distribution



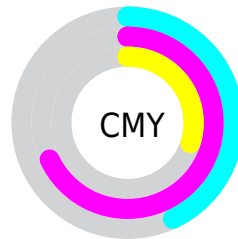
- Red (57%)
- Green (32%)
- Blue (70%)



- Red (57%)
- Yellow (32%)
- Blue (70%)



- Cyan (18%)
- Magenta (54%)
- Yellow (0%)
- Black (30%)





- Cyan (43%)
- Magenta (68%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 60.040, 317.012 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, 60.040, 317.012 by changing the saturation by 10% instead.


 46, 60.040,
317.012


 46, 60.040,
317.012


 100, 60.040,
317.012


 36, 60.040,
317.012

 66, 60.040,
317.012


 26, 60.040,
317.012

 76, 60.040,
317.012

 16, 60.040,
317.012


 86, 60.040,
317.012

 6, 60.040, 317.012

 96, 60.040,
317.012

 0, 60.040, 317.012

 46, 60.040,

 46, 60.040,

317.012

42, 70.065,
317.266

38, 78.802,
317.357

35, 85.661,
317.216

33, 90.157,
316.777

32, 92.024,
316.464

317.012

50, 49.251,
316.656

55, 38.102,
316.244

60, 26.868,
315.808

65, 15.726,
315.370

70, 4.782, 314.928

76, 5.902, 134.593

81, 16.297,
134.209

86, 26.393,
133.870

■ 91, 36.191,
133.564

Harmonies

Complementary

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



46, 60.040, 317.012



67, 57.451, 132.132

Rectangle

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



46, 60.040, 317.012



46, 60.040, 7.012



46, 60.040, 137.012



46, 60.040, 187.012

Sweetspot

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



46, 60.039, 317.012



82, 21.641, 315.450



48, 38.658, 281.312



42, 14.758, 315.539



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 60.039, 317.012



54, 87.284, 317.294



50, 56.066, 332.821



35, 6.144, 315.148



27, 82.171, 316.584



2, 14.345, 311.240

Inverse Universe

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



48, 42.804, 1.297



57, 62.147, 4.177



65, 56.477, 144.507



35, 4.286, 354.732



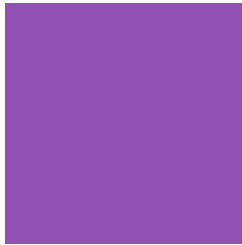
32, 58.888, 17.463



2, 9.807, 359.171

Previews

White Background



This preview shows how the CIELCh color 46, 60.040, 317.012 looks on a white background.

Color Contrast Check

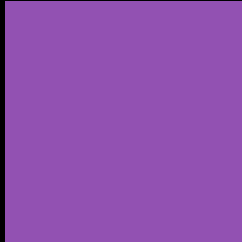
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 60.040, 317.012 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, 60.040, 317.012

Background



This preview shows how black text looks on a background with the CIELCh color 46, 60.040, 317.012.

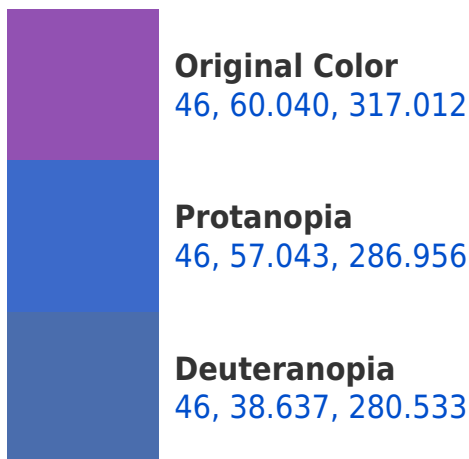


This preview shows how white text looks on a background with the CIELCh color 46, 60.040, 317.012.

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, 15.329, 5.903

Trichromacy



Original Color
46, 60.040, 317.012

Protanomaly
45, 56.977, 295.851

Deuteranomaly
45, 45.257, 296.446

Tritanomaly
46, 29.486, 330.134

Monochromacy



Original Color
46, 60.040, 317.012

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 22.641, 315.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 60.040, 317.012 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(146, 81, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 81, 178)  
}
```

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(146, 81, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 81, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 60.040, 317.012 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(146, 81, 178) }
```

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

```
.border{ border-color:rgb(146, 81, 178) }
```

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

Here you see how a box with a 4 pixel rgb(146, 81, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 81, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 81, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 81,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 60.040, 317.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 81, 178) }
```

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

```
.background{ background-color: rgb(146, 81,  
178) }
```

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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