

Converting Colors

CIELCh(46, 45.710, 321.202)

Have a look what the booklet for
CIELCh(46, 45.710, 321.202)
contains.

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Color

CIELCh(46, 45.625, 321.140)

Conversions

Conversions Part 1

Format	Color
Hex	90579D
RGB	144, 87, 157
RGB Percent	56%, 34%, 62%
CMY	0.4340, 0.6576, 0.3831
CMYK	0.08, 0.45, 0.00, 0.38
HSL	289°, 29%, 48%
HSV	289°, 45%, 62%
XYZ	21.1038, 15.2687, 33.8770
YIQ	112.0230, 11.5020, 33.8540

Conversions

Conversions Part 2

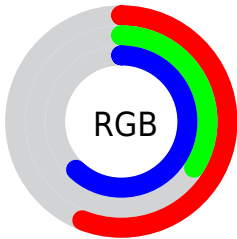
Format	Color
RYB	144, 87, 157
Decimal	9459613
CIELab	46.00, 35.53, -28.63
CIELCh	46, 45.625, 321.140
Yxy	15.2687, 0.3004, 0.2173
Android (android.graphics.Color)	4287649693 (0xFF90579D)
YUV	112.0230, 22.1737, 28.0438
Hunter-Lab	39.0751, 28.0234, -24.0501

Details

The CIELCh color $46, 45.625, 321.140$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 44.889, 136.711$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 45.895, 321.095$, and $26, 45.733, 321.391$ is the 20% darker color. If you saturate the color by 10%, you get $42, 55.216, 321.477$, and if you desaturate by 10%, it is $50, 35.514, 320.742$.

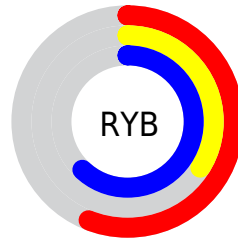
Distribution



Red (56%)

Green (34%)

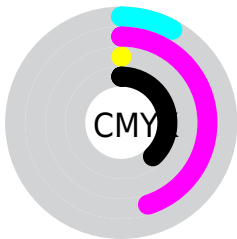
Blue (62%)



Red (56%)

Yellow (34%)

Blue (62%)

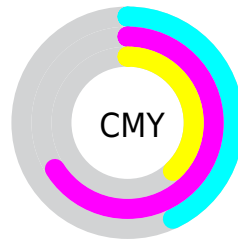


Cyan (8%)

Magenta (45%)

Yellow (0%)

Black (38%)



Cyan (43%)


Magenta (66%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 45.625, 321.140 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, 45.625, 321.140 by changing the saturation by 10% instead.


 46, 45.625,
321.140


 46, 45.625,
321.140


 100, 45.625,
321.140


 36, 45.625,
321.140

 66, 45.625,
321.140


 26, 45.625,
321.140

 76, 45.625,
321.140

 16, 45.625,
321.140

 86, 45.625,
321.140

 6, 45.625, 321.140

 96, 45.625,
321.140

 0, 45.625, 321.140

 46, 45.625,

 46, 45.625,

321.140

■ 42, 55.216,
321.477

■ 39, 63.913,
321.718

■ 36, 71.271,
321.825

■ 34, 76.856,
321.757

■ 33, 80.393,
321.482

■ 32, 81.897,
321.293

321.140

■ 50, 35.514,
320.742

■ 54, 25.177,
320.311

■ 58, 14.817,
319.863


■ 63, 4.567, 319.397

■ 67, 5.488, 139.041

■ 72, 15.300,
138.613

■ 76, 24.844,
138.226

■ 81, 34.112,
137.868

 86, 43.106,
137.537

Harmonies

Complementary

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



46, 45.625, 321.140



60, 44.889, 136.711

Rectangle

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



46, 45.625, 321.140



46, 45.625, 11.140



46, 45.625, 141.140



46, 45.625, 191.140

Sweetspot

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



46, 45.623, 321.140



75, 16.392, 319.806



44, 33.644, 287.313



38, 11.461, 319.900



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 45.623, 321.140



55, 66.398, 321.462



47, 38.687, 337.600



31, 5.774, 319.624



29, 76.280, 321.347



1, 7.430, 318.302

Inverse Universe

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



46, 30.824, 9.961



54, 45.795, 11.973



59, 38.284, 150.367



31, 3.637, 5.119



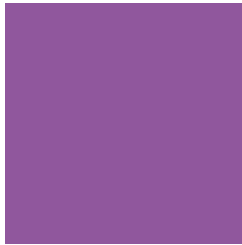
29, 60.263, 29.290



1, 4.632, 5.091

Previews

White Background



This preview shows how the CIE LCh color 46, 45.625, 321.140 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, 45.625, 321.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

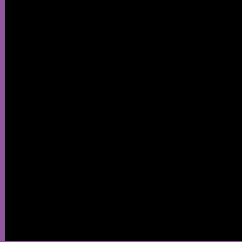
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 45.625, 321.140

Background



This preview shows how black text looks on a background with the CIELCh color 46, 45.625, 321.140.

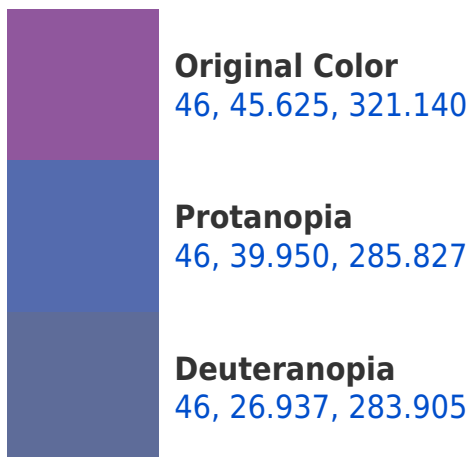


This preview shows how white text looks on a background with the CIELCh color 46, 45.625, 321.140.

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, 16.609, 7.337

Trichromacy



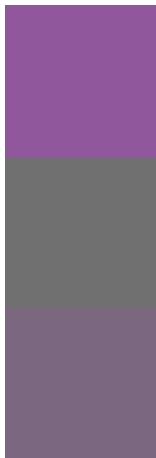
Original Color
46, 45.625, 321.140

Protanomaly
46, 40.566, 298.125

Deuteranomaly
46, 33.137, 301.563

Tritanomaly
46, 25.080, 338.026

Monochromacy



Original Color
46, 45.625, 321.140

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 17.020, 320.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 45.625, 321.140 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(144, 87, 157)` looks like.

```
.text, #text, p{  
    color:rgb(144, 87, 157)  
}
```

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(144, 87, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 87, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 45.625, 321.140 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(144, 87, 157) }
```

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

```
.border{ border-color:rgb(144, 87, 157) }
```

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

Here you see how a box with a 4 pixel rgb(144, 87, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 87, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 87, 157);  
box-shadow:4px 4px 4px 4px rgb(144, 87,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 45.625, 321.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 87, 157) }
```

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

```
.background{ background-color: rgb(144, 87,  
157) }
```

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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