

Converting Colors

CIELCh(41, 57.540, 321.975)

Have a look what the booklet for
CIELCh(41, 57.540, 321.975)
contains.

CIELCh(41, 57.760, 321.808)	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(41, 57.760, 321.808)

Conversions

Conversions Part 1

Format	Color
Hex	8C429C
RGB	140, 66, 156
RGB Percent	55%, 26%, 61%
CMY	0.4511, 0.7413, 0.3884
CMYK	0.10, 0.58, 0.00, 0.39
HSL	289°, 41%, 44%
HSV	289°, 58%, 61%
XYZ	18.7539, 11.8645, 32.7398
YIQ	98.3860, 15.2140, 43.6780

Conversions

Conversions Part 2

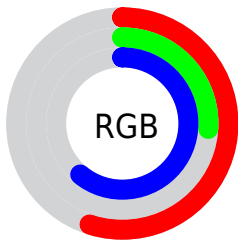
Format	Color
R_{YB}	140, 66, 156
Decimal	9192092
CIE _{Lab}	41.00, 45.40, -35.71
CIE _{LCh}	41, 57.760, 321.808
Yxy	11.8645, 0.2960, 0.1873
Android (android.graphics.Color)	4287382172 (0xFF8C429C)
YUV	98.3860, 28.4037, 36.4955
Hunter-Lab	34.4449, 36.9075, -32.2434

Details

The CIELCh color $41, 57.760, 321.808$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $58, 56.854, 135.992$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 57.611, 321.908$, and $21, 57.739, 321.872$ is the 20% darker color. If you saturate the color by 10%, you get $38, 66.000, 322.014$, and if you desaturate by 10%, it is $44, 48.481, 321.496$.

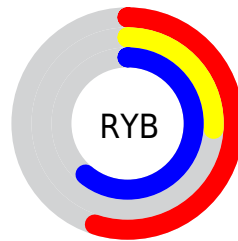
Distribution



Red (55%)

Green (26%)

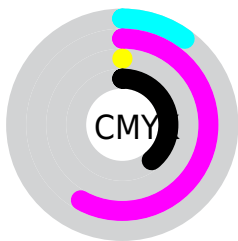
Blue (61%)



Red (55%)

Yellow (26%)

Blue (61%)

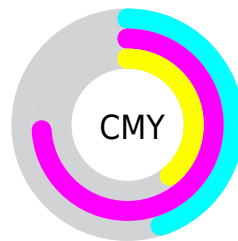


Cyan (10%)

Magenta (58%)

Yellow (0%)

Black (39%)



Cyan (45%)

Magenta (74%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 57.760, 321.808 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 41, 57.760, 321.808 by changing the saturation by 10% instead.


 41, 57.760,
321.808

 41, 57.760,
321.808


 100, 57.760,
321.808


 31, 57.760,
321.808

 61, 57.760,
321.808


 21, 57.760,
321.808

 71, 57.760,
321.808

 11, 57.760,
321.808


 81, 57.760,
321.808

 1, 57.760, 321.808

 91, 57.760,
321.808

 0, 57.760, 321.808

 41, 57.760,

 41, 57.760,

321.808

■ 38, 66.000,
322.014

■ 35, 72.762,
322.075

■ 33, 77.650,
321.954

■ 32, 80.661,
321.646

■ 32, 81.292,
321.573

321.808

■ 44, 48.481,
321.496

■ 48, 38.571,
321.113

■ 52, 28.343,
320.688

■ 57, 18.030,
320.243

■ 61, 7.785, 319.786

■ 65, 2.290, 139.452

■ 70, 12.138,
138.972

■ 74, 21.726,
138.571

■ 79, 31.040,
138.200

Harmonies

Complementary

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



41, 57.760, 321.808



58, 56.854, 135.992

Rectangle

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



41, 57.760, 321.808



41, 57.760, 11.808



41, 57.760, 141.808



41, 57.760, 191.808

Sweetspot

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



41, 57.758, 321.808



73, 21.543, 320.226



37, 45.243, 291.239



37, 14.393, 320.309



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



41, 57.758, 321.808



49, 82.937, 322.046



42, 47.936, 339.636



31, 5.787, 319.858



29, 76.201, 321.621



1, 7.448, 318.558

Inverse Universe

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



41, 40.151, 13.470



48, 59.526, 17.250



58, 47.694, 149.298



31, 3.628, 5.719



29, 60.566, 29.863



1, 4.620, 5.669

Previews

White Background



This preview shows how the CIELCh color 41, 57.760, 321.808 looks on a white background.

Color Contrast Check

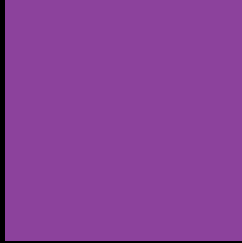
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 57.760, 321.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

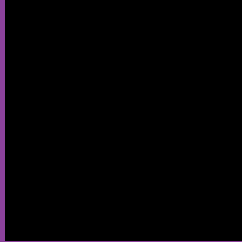
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 57.760, 321.808

Background



This preview shows how black text looks on a background with the CIELCh color 41, 57.760, 321.808.

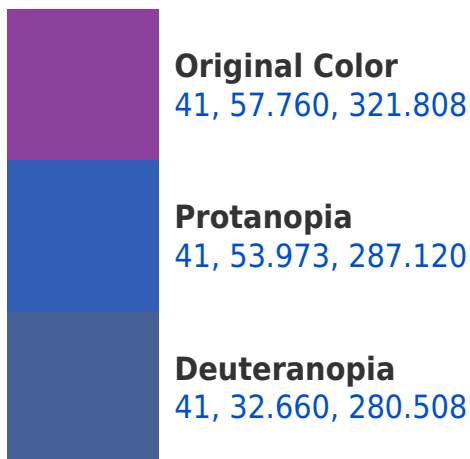


This preview shows how white text looks on a background with the CIELCh color 41, 57.760, 321.808.

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](#).

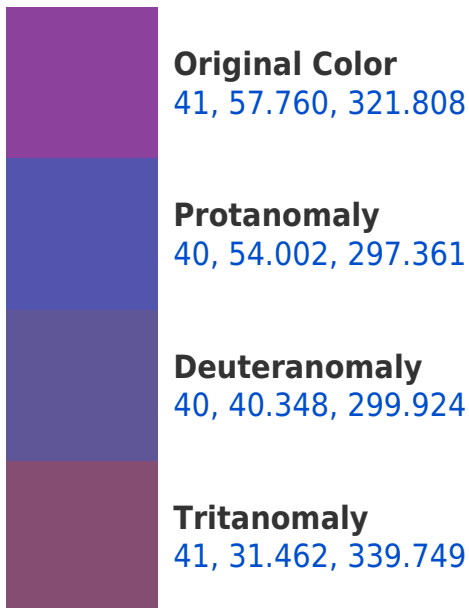
Dichromacy





Tritanopia
41, 20.958, 12.791

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 57.760, 321.808 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(140, 66, 156)` looks like.

```
.text, #text, p{  
    color:rgb(140, 66, 156)  
}
```

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(140, 66, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 66, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 57.760, 321.808 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(140, 66, 156) }
```

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

```
.border{ border-color:rgb(140, 66, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 66, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 66, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 66, 156);  
box-shadow:4px 4px 4px 4px rgb(140, 66,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 57.760, 321.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 66, 156) }
```

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

```
.background{ background-color: rgb(140, 66,  
156) }
```

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