

Converting Colors

CIELCh(41, 57.350, 320.064)

Have a look what the booklet for
CIELCh(41, 57.350, 320.064)
contains.

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Color

CIELCh(41, 57.350, 320.064)

Conversions

Conversions Part 1

Format	Color
Hex	89449E
RGB	137, 68, 158
RGB Percent	54%, 27%, 62%
CMY	0.4637, 0.7342, 0.3813
CMYK	0.13, 0.57, 0.00, 0.38
HSL	286°, 40%, 44%
HSV	286°, 57%, 62%
XYZ	18.4803, 11.8645, 33.5541
YIQ	98.8910, 12.2340, 42.6180

Conversions

Conversions Part 2

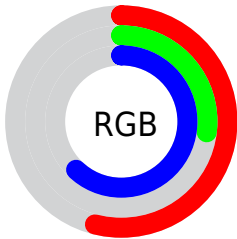
Format	Color
R_{YB}	137, 68, 158
Decimal	8995998
CIE _{Lab}	41.00, 43.97, -36.81
CIE _{LCh}	41, 57.350, 320.064
Yxy	11.8645, 0.2892, 0.1857
Android (android.graphics.Color)	4287186078 (0xFF89449E)
YUV	98.8910, 29.1407, 33.4216
Hunter-Lab	34.4449, 35.4898, -33.6452

Details

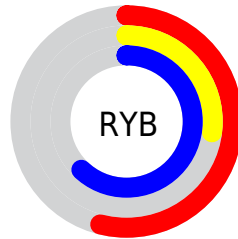
The CIELCh color $41, 57.350, 320.064$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 55.885, 134.670$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 57.495, 319.993$, and $21, 57.287, 319.986$ is the 20% darker color. If you saturate the color by 10%, you get $38, 65.916, 320.266$, and if you desaturate by 10%, it is $45, 47.851, 319.753$.

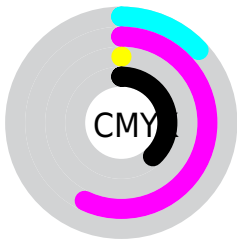
Distribution



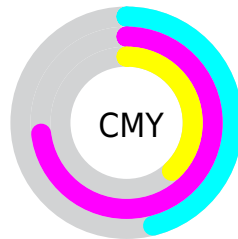
- Red (54%)
- Green (27%)
- Blue (62%)



- Red (54%)
- Yellow (27%)
- Blue (62%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (38%)




- Cyan (46%)
- Magenta (73%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 57.350, 320.064 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, 57.350, 320.064 by changing the saturation by 10% instead.


 41, 57.350,
320.064


 41, 57.350,
320.064


 100, 57.350,
320.064


 31, 57.350,
320.064

 61, 57.350,
320.064


 21, 57.350,
320.064

 71, 57.350,
320.064

 11, 57.350,
320.064

 81, 57.350,
320.064

 1, 57.350, 320.064

 91, 57.350,
320.064

 0, 57.350, 320.064

 41, 57.350,

 41, 57.350,

320.064

■ 38, 65.916,
320.266

■ 35, 73.087,
320.311

■ 33, 78.412,
320.151

■ 31, 81.758,
319.765

■ 31, 82.644,
319.646

320.064

■ 45, 47.851,
319.753

■ 49, 37.818,
319.372

■ 53, 27.550,
318.953

■ 57, 17.254,
318.518

■ 62, 7.067, 318.075

■ 66, 2.929, 137.741

■ 71, 12.684,
137.303

■ 76, 22.175,
136.928

■ 80, 31.393,
136.584

Harmonies

Complementary

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



41, 57.350, 320.064



59, 55.885, 134.670

Rectangle

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



41, 57.350, 320.064



41, 57.350, 10.064



41, 57.350, 140.064



41, 57.350, 190.064

Sweetspot

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



41, 57.349, 320.064



73, 21.229, 318.530



40, 41.270, 287.411



37, 14.186, 318.610



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, 57.349, 320.064



48, 81.879, 320.292



43, 50.024, 336.437



31, 5.698, 318.175



27, 76.811, 319.712



1, 7.323, 316.743

Inverse Universe

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



41, 40.005, 9.049



49, 58.173, 12.538



58, 50.187, 146.955



31, 3.702, 1.528



29, 58.527, 25.560



1, 4.717, 1.632

Previews

White Background



This preview shows how the CIELCh color 41, 57.350, 320.064 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, 57.350, 320.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

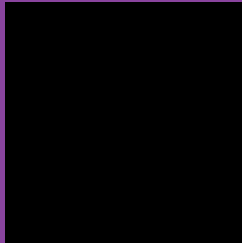
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 57.350, 320.064

Background



This preview shows how black text looks on a background with the CIELCh color 41, 57.350, 320.064.

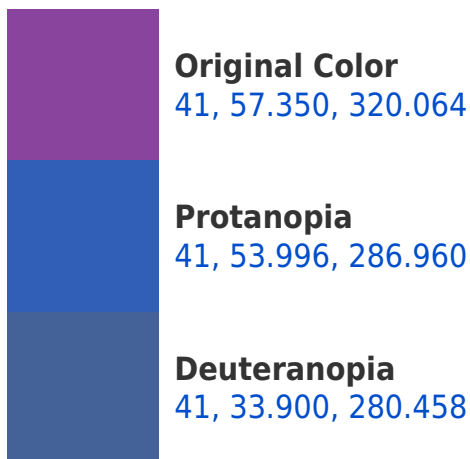


This preview shows how white text looks on a background with the CIELCh color 41, 57.350, 320.064.

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, 18.768, 9.378

Trichromacy



Original Color
41, 57.350, 320.064

Protanomaly
40, 54.605, 296.901

Deuteranomaly
40, 41.506, 299.051

Tritanomaly
41, 30.115, 336.628

Monochromacy



Original Color
41, 57.350, 320.064

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 21.785, 319.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 57.350, 320.064 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(137, 68, 158)` looks like.

```
.text, #text, p{  
  color:rgb(137, 68, 158)  
}
```

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(137, 68, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 68, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 57.350, 320.064 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(137, 68, 158) }
```

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

```
.border{ border-color:rgb(137, 68, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 68, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 68, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 68, 158);  
box-shadow:4px 4px 4px 4px rgb(137, 68,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 57.350, 320.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 68, 158) }
```

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

```
.background{ background-color: rgb(137, 68,  
158) }
```

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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