

Converting Colors

CIELCh(41, 80.145, 329.608)

Have a look what the booklet for
CIELCh(41, 80.145, 329.608)
contains.

CIELCh(41, 80.240, 329.594)	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, 80.240, 329.594)

Conversions

Conversions Part 1

Format	Color
Hex	AB15A5
RGB	171, 21, 165
RGB Percent	67%, 8%, 65%
CMY	0.3309, 0.9165, 0.3544
CMYK	0.00, 0.88, 0.04, 0.33
HSL	302°, 78%, 38%
HSV	302°, 88%, 67%
XYZ	23.7421, 11.8645, 36.4634
YIQ	82.2660, 43.1760, 76.5840

Conversions

Conversions Part 2

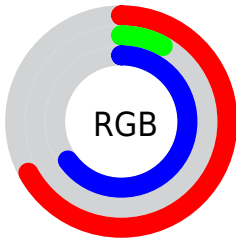
Format	Color
R_{YB}	171, 21, 165
Decimal	11212197
CIE _{Lab}	41.00, 69.20, -40.61
CIE _{LCh}	41, 80.240, 329.594
Yxy	11.8645, 0.3294, 0.1646
Android (android.graphics.Color)	4289402277 (0xFFAB15A5)
YUV	82.2660, 40.7879, 77.8197
Hunter-Lab	34.4449, 62.7574, -38.6530

Details

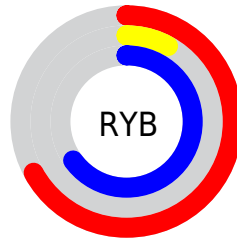
The CIELCh color **41, 80.240, 329.594** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **61, 83.915, 137.190**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.674, 329.542**, and **26, 62.969, 328.911** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.448, 329.825**, and if you desaturate by 10%, it is **42, 76.046, 329.308**.

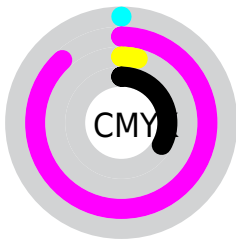
Distribution



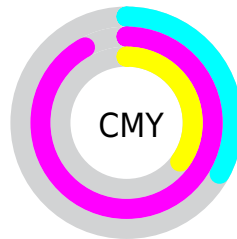
- Red (67%)
- Green (8%)
- Blue (65%)



- Red (67%)
- Yellow (8%)
- Blue (65%)



- Cyan (0%)
- Magenta (88%)
- Yellow (4%)
- Black (33%)





- Cyan (33%)
- Magenta (92%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 80.240, 329.594 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, 80.240, 329.594 by changing the saturation by 10% instead.


 41, 80.240,
329.594


 41, 80.240,
329.594


 100, 80.240,
329.594


 31, 80.240,
329.594

 61, 80.240,
329.594


 21, 80.240,
329.594

 71, 80.240,
329.594

 11, 80.240,
329.594


 81, 80.240,
329.594

 1, 80.240, 329.594

 91, 80.240,
329.594

 0, 80.240, 329.594

 41, 80.240,

 41, 80.240,

329.594

■ 40, 82.448,
329.825

■ 40, 82.893,
329.879

329.594

■ 42, 76.046,
329.308

■ 44, 69.781,
328.956

■ 47, 61.719,
328.543

■ 50, 52.268,
328.076

■ 54, 41.863,
327.568

■ 58, 30.890,
327.032

■ 62, 19.660,
326.479

■ 66, 8.400, 325.912

Harmonies

Complementary

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



41, 80.240, 329.594



61, 83.915, 137.190

Rectangle

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



41, 80.240, 329.594



41, 80.240, 19.594



41, 80.240, 149.594



41, 80.240, 199.594

Sweetspot

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



41, 80.238, 329.594



74, 36.142, 326.975



23, 91.666, 305.139



38, 24.673, 327.157



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



41, 80.238, 329.594



52, 100.778, 329.910



38, 60.260, 359.962



33, 6.257, 326.014



34, 74.657, 329.859



2, 11.235, 325.975

Inverse Universe

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



41, 80.238, 329.594



52, 100.778, 329.910



62, 58.516, 153.730



33, 6.257, 326.014



34, 74.657, 329.859



2, 11.235, 325.975

Previews

White Background



This preview shows how the CIELCh color 41, 80.240, 329.594 looks on a white background.

Color Contrast Check

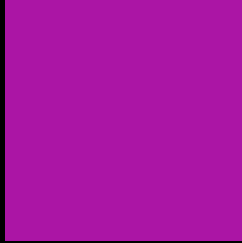
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.240, 329.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

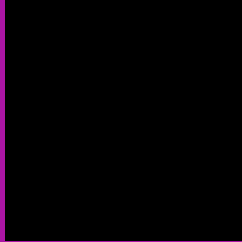
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 80.240, 329.594

Background



This preview shows how black text looks on a background with the CIELCh color 41, 80.240, 329.594.

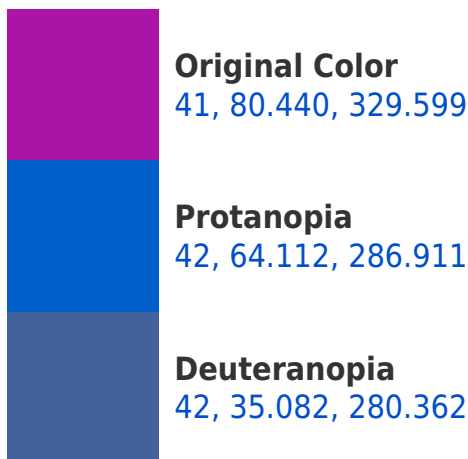


This preview shows how white text looks on a background with the CIELCh color 41, 80.240, 329.594.

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, 43.011, 23.799

Trichromacy



Original Color
41, 80.440, 329.599



Protanomaly
36, 73.430, 299.510



Deuteranomaly
38, 55.289, 308.700



Tritanomaly
40, 51.713, 353.559

Monochromacy



Original Color
41, 80.440, 329.599



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 37.660, 327.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 80.240, 329.594 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(171, 21, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 21, 165)  
}
```

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(171, 21, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 21, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 80.240, 329.594 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(171, 21, 165) }
```

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

```
.border{ border-color:rgb(171, 21, 165) }
```

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

Here you see how a box with a 4 pixel rgb(171, 21, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 21, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 21, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 21,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 80.240, 329.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 21, 165) }
```

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

```
.background{ background-color: rgb(171, 21,  
165) }
```

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