

Converting Colors

CIELCh(41, 80.899, 319.607)

Have a look what the booklet for
CIELCh(41, 80.899, 319.607)
contains.

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Color

CIELCh(41, 80.681, 319.628)

Conversions

Conversions Part 1

Format	Color
Hex	952FB8
RGB	149, 47, 184
RGB Percent	58%, 18%, 72%
CMY	0.4160, 0.8160, 0.2788
CMYK	0.19, 0.74, 0.00, 0.28
HSL	285°, 59%, 45%
HSV	285°, 74%, 72%
XYZ	22.0348, 11.8645, 46.4299
YIQ	93.1160, 16.8150, 64.2310

Conversions

Conversions Part 2

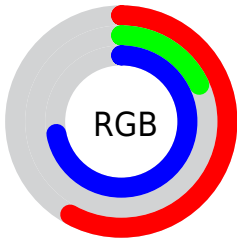
Format	Color
R_{YB}	149, 47, 184
Decimal	9777080
CIE _{Lab}	41.00, 61.47, -52.26
CIE _{LCh}	41, 80.681, 319.628
Yxy	11.8645, 0.2743, 0.1477
Android (android.graphics.Color)	4287967160 (0xFF952FB8)
YUV	93.1160, 44.8058, 49.0103
Hunter-Lab	34.4449, 53.9098, -55.8083

Details

The CIELCh color $41, 80.681, 319.628$ is a dark color, and the websafe version is hex $9933CC$. A complement of this color would be $67, 78.242, 133.340$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 80.904, 319.708$, and $23, 72.332, 318.120$ is the 20% darker color. If you saturate the color by 10%, you get $38, 87.209, 319.491$, and if you desaturate by 10%, it is $44, 72.132, 319.555$.

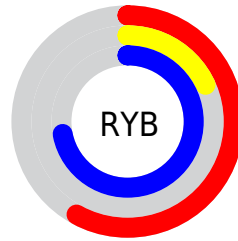
Distribution



Red (58%)

Green (18%)

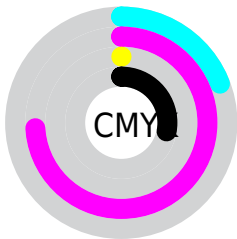
Blue (72%)



Red (58%)

Yellow (18%)

Blue (72%)

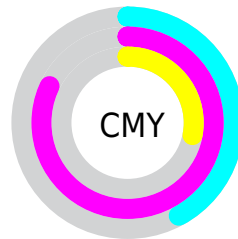


Cyan (19%)

Magenta (74%)

Yellow (0%)

Black (28%)



Cyan (42%)

Magenta (82%)

Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 80.681, 319.628 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, 80.681, 319.628 by changing the saturation by 10% instead.


 41, 80.681,
319.628


 41, 80.681,
319.628


 100, 80.681,
319.628


 31, 80.681,
319.628

 61, 80.681,
319.628


 21, 80.681,
319.628

 71, 80.681,
319.628


 11, 80.681,
319.628


 81, 80.681,
319.628

 1, 80.681, 319.628

 91, 80.681,
319.628

 0, 80.681, 319.628

 41, 80.681,

 41, 80.681,

319.628

■ 38, 87.209,
319.491

■ 36, 91.330,
319.094

■ 36, 92.945,
318.811

319.628

■ 44, 72.132,
319.555

■ 48, 62.118,
319.326

■ 53, 51.173,
318.993

■ 57, 39.729,
318.597

■ 62, 28.102,
318.169

■ 67, 16.504,
317.730

■ 72, 5.069, 317.278

■ 78, 6.121, 136.935

■ 83, 17.024,
136.531

Harmonies

Complementary

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



41, 80.681, 319.628



67, 78.242, 133.340

Rectangle

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



41, 80.681, 319.628



41, 80.681, 9.628



41, 80.681, 139.628



41, 80.681, 189.628

Sweetspot

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



41, 80.680, 319.628



81, 31.262, 318.076



38, 61.303, 291.756



41, 21.028, 318.193



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



41, 80.680, 319.628



49, 109.752, 319.286



45, 69.177, 337.306



36, 6.412, 317.502



30, 82.082, 318.920



2, 16.902, 314.026

Inverse Universe

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



42, 57.669, 12.890



52, 80.688, 20.004



66, 71.831, 143.642



36, 4.231, 359.936



32, 61.724, 24.183



2, 11.061, 4.262

Previews

White Background



This preview shows how the CIELCh color 41, 80.681, 319.628 looks on a white background.

Color Contrast Check

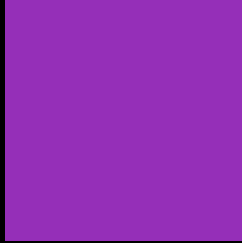
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.681, 319.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

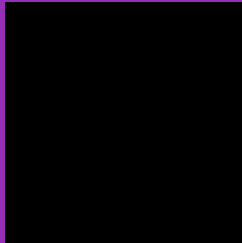
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 80.681, 319.628

Background



This preview shows how black text looks on a background with the CIELCh color 41, 80.681, 319.628.



This preview shows how white text looks on a background with the CIELCh color 41, 80.681, 319.628.

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



Original Color


41, 80.681, 319.628

Protanopia

41, 63.626, 286.905

Deuteranopia

41, 47.275, 277.510



Tritanopia
41, 23.699, 14.445

Trichromacy



Original Color
41, 80.681, 319.628



Protanomaly
38, 71.141, 296.308



Deuteranomaly
38, 59.827, 295.058



Tritanomaly
40, 41.316, 335.419

Monochromacy



Original Color
41, 80.681, 319.628



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 33.535, 318.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 80.681, 319.628 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(149, 47, 184)` looks like.

```
.text, #text, p{  
    color:rgb(149, 47, 184)  
}
```

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(149, 47, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 47, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 80.681, 319.628 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(149, 47, 184) }
```

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

```
.border{ border-color:rgb(149, 47, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 47, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 47, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 47, 184);  
box-shadow:4px 4px 4px 4px rgb(149, 47,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 80.681, 319.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 47, 184) }
```

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

```
.background{ background-color: rgb(149, 47,  
184) }
```

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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