

Converting Colors

CIELCh(40, 81.764, 328.135)

Have a look what the booklet for
CIELCh(40, 81.764, 328.135)
contains.

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Color

CIELCh(40, 81.717, 328.147)

Conversions

Conversions Part 1

Format	Color
Hex	A610A6
RGB	166, 16, 166
RGB Percent	65%, 6%, 65%
CMY	0.3486, 0.9364, 0.3487
CMYK	0.00, 0.90, 0.00, 0.35
HSL	300°, 82%, 36%
HSV	300°, 90%, 65%
XYZ	22.8260, 11.2510, 37.0891
YIQ	77.9500, 41.2500, 78.4500

Conversions

Conversions Part 2

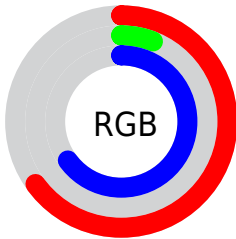
Format	Color
R_{YB}	166, 16, 166
Decimal	10883238
CIE _{Lab}	40.00, 69.41, -43.13
CIE _{LCh}	40, 81.717, 328.147
Yxy	11.2510, 0.3207, 0.1581
Android (android.graphics.Color)	4289073318 (0xFFA610A6)
YUV	77.9500, 43.4087, 77.2199
Hunter-Lab	33.5425, 62.7718, -42.0794

Details

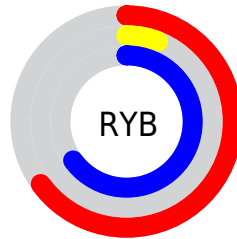
The CIELCh color $40, 81.717, 328.147$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $59, 84.319, 136.471$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 82.035, 328.171$, and $25, 63.506, 326.899$ is the 20% darker color. If you saturate the color by 10%, you get $39, 83.838, 328.234$, and if you desaturate by 10%, it is $41, 77.926, 327.991$.

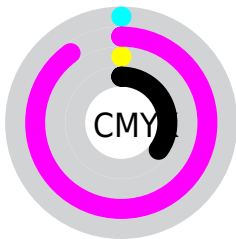
Distribution



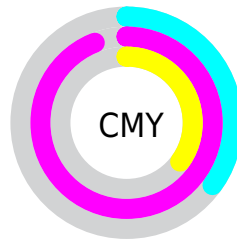
- Red (65%)
- Green (6%)
- Blue (65%)



- Red (65%)
- Yellow (6%)
- Blue (65%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (35%)




- Cyan (35%)
- Magenta (94%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 81.717, 328.147 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 40, 81.717, 328.147 by changing the saturation by 10% instead.


 40, 81.717,
328.147


 40, 81.717,
328.147


 100, 81.717,
328.147


 30, 81.717,
328.147


 60, 81.717,
328.147


 20, 81.717,
328.147

 70, 81.717,
328.147


 10, 81.717,
328.147

 80, 81.717,
328.147

 0, 81.717, 328.147

 90, 81.717,
328.147

 40, 81.717,

 40, 81.717,

328.147

328.147

■ 39, 83.838,
328.234

■ 41, 77.926,
327.991

■ 43, 72.082,
327.745

■ 45, 64.387,
327.416

■ 48, 55.210,
327.013

■ 52, 44.972,
326.552

■ 55, 34.069,
326.050

■ 59, 22.831,
325.521

■ 64, 11.504,
324.974

Harmonies

Complementary

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



40, 81.717, 328.147



59, 84.319, 136.471

Rectangle

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



40, 81.717, 328.147



40, 81.717, 18.147



40, 81.717, 148.147



40, 81.717, 198.147

Sweetspot

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



40, 81.715, 328.147



72, 37.825, 325.908



21, 91.815, 305.269



37, 25.661, 326.078



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



40, 81.715, 328.147



52, 102.221, 328.234



36, 60.112, 358.032



33, 6.429, 324.921



35, 76.991, 328.234



2, 11.672, 324.440

Inverse Universe

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



40, 81.715, 328.147



52, 102.221, 328.234



60, 60.422, 151.439



33, 6.429, 324.921



35, 76.991, 328.234



2, 11.672, 324.440

Previews

White Background



This preview shows how the CIELCh color 40, 81.717, 328.147 looks on a white background.

Color Contrast Check

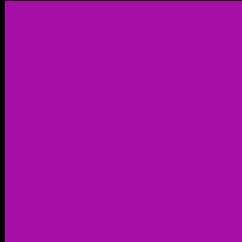
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 81.717, 328.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

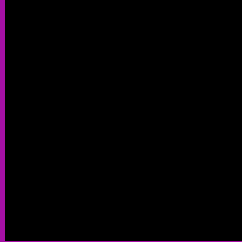
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 81.717, 328.147

Background



This preview shows how black text looks on a background with the CIELCh color 40, 81.717, 328.147.



This preview shows how white text looks on a background with the CIELCh color 40, 81.717, 328.147.

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

40, 81.717, 328.147

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 37.166, 279.641



Tritanopia
40, 41.179, 22.646

Trichromacy



Original Color
40, 81.717, 328.147

Protanomaly
34, 73.725, 299.881

Deuteranomaly
36, 57.708, 307.164

Tritanomaly
39, 51.729, 351.177

Monochromacy



Original Color
40, 81.717, 328.147

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 38.741, 326.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 81.717, 328.147 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(166, 16, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 16, 166)  
}
```

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(166, 16, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 16, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 81.717, 328.147 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(166, 16, 166) }
```

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

```
.border{ border-color:rgb(166, 16, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 16, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 16, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 16, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 16,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 81.717, 328.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 16, 166) }
```

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

```
.background{ background-color: rgb(166, 16,  
166) }
```

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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