

Converting Colors

CIELCh(40, 81.779, 328.534)

Have a look what the booklet for
CIELCh(40, 81.779, 328.534)
contains.

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Color

CIELCh(40, 81.632, 328.647)

Conversions

Conversions Part 1

Format	Color
Hex	A70EA5
RGB	167, 14, 165
RGB Percent	65%, 5%, 65%
CMY	0.3450, 0.9448, 0.3529
CMYK	0.00, 0.92, 0.01, 0.35
HSL	301°, 84%, 36%
HSV	301°, 92%, 65%
XYZ	22.8924, 11.2510, 36.5725
YIQ	76.9610, 42.7170, 79.3970

Conversions

Conversions Part 2

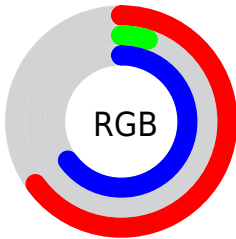
Format	Color
R_{YB}	167, 14, 165
Decimal	10948261
CIE _{Lab}	40.00, 69.71, -42.47
CIE _{LCh}	40, 81.632, 328.647
Yxy	11.2510, 0.3237, 0.1591
Android (android.graphics.Color)	4289138341 (0xFFA70EA5)
YUV	76.9610, 43.4032, 78.9642
Hunter-Lab	33.5425, 63.1252, -41.1662

Details

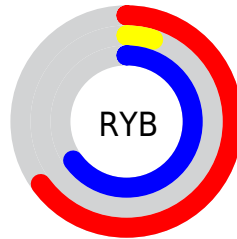
The CIELCh color $40, 81.632, 328.647$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $60, 84.815, 136.534$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 81.722, 328.632$, and $25, 63.050, 327.558$ is the 20% darker color. If you saturate the color by 10%, you get $39, 83.334, 328.755$, and if you desaturate by 10%, it is $41, 78.183, 328.466$.

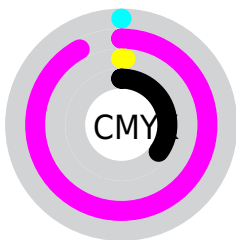
Distribution



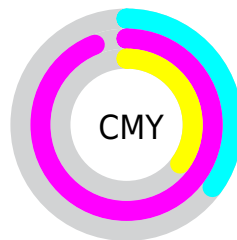
- Red (65%)
- Green (5%)
- Blue (65%)



- Red (65%)
- Yellow (5%)
- Blue (65%)



- Cyan (0%)
- Magenta (92%)
- Yellow (1%)
- Black (35%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 81.632, 328.647 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, 81.632, 328.647 by changing the saturation by 10% instead.


 40, 81.632,
328.647


 40, 81.632,
328.647


 100, 81.632,
328.647


 30, 81.632,
328.647

 60, 81.632,
328.647


 20, 81.632,
328.647

 70, 81.632,
328.647


 10, 81.632,
328.647

 80, 81.632,
328.647

 0, 81.632, 328.647

 90, 81.632,
328.647

 40, 81.632,

 40, 81.632,

328.647

328.647

■ 39, 83.334,
328.755

■ 41, 78.183,
328.466

■ 43, 72.661,
328.204

■ 45, 65.242,
327.864

■ 48, 56.281,
327.454

■ 51, 46.203,
326.988

■ 55, 35.413,
326.481

■ 59, 24.249,
325.949

■ 63, 12.970,
325.400

Harmonies

Complementary

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



40, 81.632, 328.647



60, 84.815, 136.534

Rectangle

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



40, 81.632, 328.647



40, 81.632, 18.647



40, 81.632, 148.647



40, 81.632, 198.647

Sweetspot

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



40, 81.630, 328.647



72, 37.496, 326.266



21, 93.052, 305.436



37, 25.438, 326.438



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, 81.630, 328.647



51, 101.171, 328.764



37, 60.600, 358.518



33, 6.373, 325.271



35, 76.222, 328.749



2, 11.527, 324.934

Inverse Universe

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



40, 81.630, 328.647



51, 101.171, 328.764



60, 61.251, 151.139



33, 6.373, 325.271



35, 76.222, 328.749



2, 11.527, 324.934

Previews

White Background



This preview shows how the CIELCh color 40, 81.632, 328.647 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 40, 81.632, 328.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

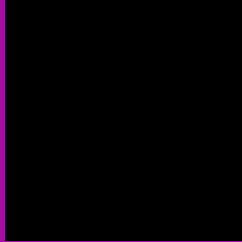
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 81.632, 328.647

Background



This preview shows how black text looks on a background with the CIELCh color 40, 81.632, 328.647.



This preview shows how white text looks on a background with the CIELCh color 40, 81.632, 328.647.

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, 81.632, 328.647

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 36.556, 279.563



Tritanopia
40, 41.770, 23.561

Trichromacy



Original Color
40, 81.632, 328.647

Protanomaly
34, 74.340, 300.280

Deuteranomaly
36, 57.799, 307.787

Tritanomaly
39, 52.186, 351.978

Monochromacy



Original Color
40, 81.632, 328.647

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 39.567, 327.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 81.632, 328.647 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(167, 14, 165)` looks like.

```
.text, #text, p{  
    color:rgb(167, 14, 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(167, 14, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 14, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 81.632, 328.647 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(167, 14, 165) }
```

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

```
.border{ border-color:rgb(167, 14, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 14, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 14, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 14, 165);  
box-shadow:4px 4px 4px 4px rgb(167, 14,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 81.632, 328.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 14, 165) }
```

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

```
.background{ background-color: rgb(167, 14,  
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](#).

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