

Converting Colors

CIELCh(40, 65.576, 346.521)

Have a look what the booklet for
CIELCh(40, 65.576, 346.521)
contains.

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Color

CIELCh(40, 65.646, 346.519)

Conversions

Conversions Part 1

Format	Color
Hex	B01979
RGB	176, 25, 121
RGB Percent	69%, 10%, 47%
CMY	0.3109, 0.9036, 0.5264
CMYK	0.00, 0.86, 0.31, 0.31
HSL	322°, 75%, 39%
HSV	322°, 86%, 69%
XYZ	21.6199, 11.2510, 19.0476
YIQ	81.0930, 59.1800, 61.8680

Conversions

Conversions Part 2

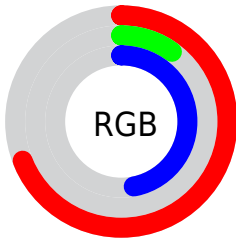
Format	Color
RYB	176, 25, 121
Decimal	11540857
CIELab	40.00, 63.84, -15.30
CIELCh	40, 65.646, 346.519
Yxy	11.2510, 0.4164, 0.2167
Android (android.graphics.Color)	4289730937 (0xFFB01979)
YUV	81.0930, 19.6742, 83.2334
Hunter-Lab	33.5425, 56.3531, -10.1890

Details

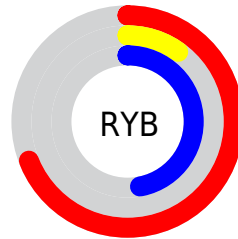
The CIELCh color **40, 65.646, 346.519** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **63, 69.414, 146.170**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 65.533, 346.854**, and **25, 50.040, 350.767** is the 20% darker color. If you saturate the color by 10%, you get **39, 67.011, 348.770**, and if you desaturate by 10%, it is **42, 62.249, 344.691**.

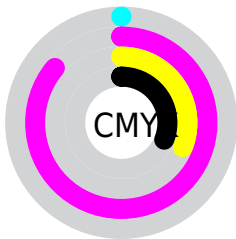
Distribution



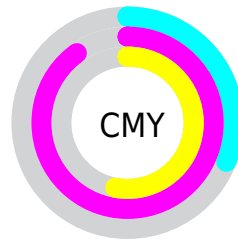
- Red (69%)
- Green (10%)
- Blue (47%)



- Red (69%)
- Yellow (10%)
- Blue (47%)



- Cyan (0%)
- Magenta (86%)
- Yellow (31%)
- Black (31%)





- Cyan (31%)
- Magenta (90%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 65.646, 346.519 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, 65.646, 346.519 by changing the saturation by 10% instead.


 40, 65.646,
346.519


 40, 65.646,
346.519


 100, 65.646,
346.519


 30, 65.646,
346.519

 60, 65.646,
346.519


 20, 65.646,
346.519

 70, 65.646,
346.519

 10, 65.646,
346.519

 80, 65.646,
346.519

 0, 65.646, 346.519

 90, 65.646,
346.519

 40, 65.646,

 40, 65.646,

346.519

346.519

■ 39, 67.011,
348.770

■ 42, 62.249,
344.691

■ 38, 67.320,
349.732

■ 44, 56.906,
343.187

■ 48, 49.971,
341.918

■ 51, 41.892,
340.818

■ 55, 33.098,
339.839

■ 60, 23.938,
338.952

■ 64, 14.668,
338.133

■ 69, 5.462, 337.346

Harmonies

Complementary

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



40, 65.646, 346.519



63, 69.414, 146.170

Rectangle

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



40, 65.646, 346.519



40, 65.646, 36.519



40, 65.646, 166.519



40, 65.646, 216.519

Sweetspot

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



40, 65.643, 346.520



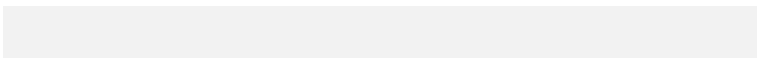
76, 29.733, 338.990



28, 89.398, 309.198



38, 20.139, 339.282



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 65.643, 346.520



50, 81.918, 350.256



38, 64.676, 26.089



34, 5.104, 337.607



33, 60.186, 349.370



2, 9.994, 341.492

Inverse Universe

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



40, 65.643, 346.520



50, 81.918, 350.256



65, 41.889, 178.351



34, 5.104, 337.607



33, 60.186, 349.370



2, 9.994, 341.492

Previews

White Background



This preview shows how the CIELCh color 40, 65.646, 346.519 looks on a white background.

Color Contrast Check

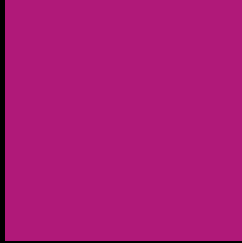
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.646, 346.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

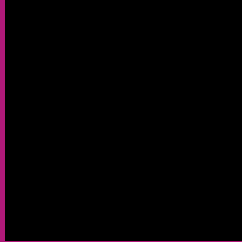
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 65.646, 346.519

Background



This preview shows how black text looks on a background with the CIELCh color 40, 65.646, 346.519.

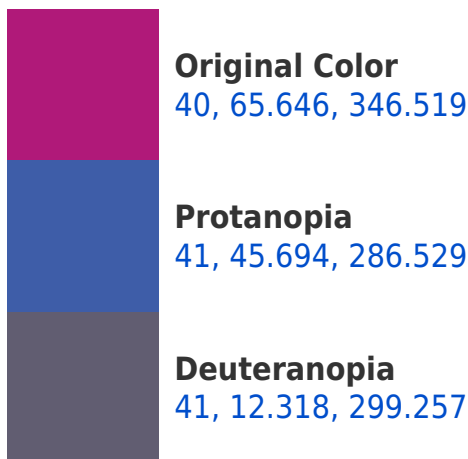


This preview shows how white text looks on a background with the CIELCh color 40, 65.646, 346.519.

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
40, 55.343, 28.909

Trichromacy



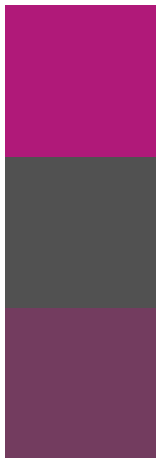
Original Color
40, 65.646, 346.519

Protanomaly
36, 52.076, 309.451

Deuteranomaly
38, 36.317, 332.391

Tritanomaly
40, 55.496, 11.651

Monochromacy



Original Color
40, 65.646, 346.519

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 30.781, 340.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 65.646, 346.519 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(176, 25, 121)` looks like.

```
.text, #text, p{  
    color:rgb(176, 25, 121)  
}
```

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(176, 25, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 25, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 65.646, 346.519 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(176, 25, 121) }
```

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

```
.border{ border-color:rgb(176, 25, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 25, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 25, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 25, 121);  
box-shadow:4px 4px 4px 4px rgb(176, 25,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 65.646, 346.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 25, 121) }
```

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

```
.background{ background-color: rgb(176, 25,  
121) }
```

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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