

Converting Colors

CIELCh(40, 64.230, 354.266)

Have a look what the booklet for
CIELCh(40, 64.230, 354.266)
contains.

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Color

CIELCh(40, 64.390, 354.231)

Conversions

Conversions Part 1

Format	Color
Hex	B4156B
RGB	180, 21, 107
RGB Percent	71%, 8%, 42%
CMY	0.2951, 0.9193, 0.5812
CMYK	0.00, 0.89, 0.41, 0.30
HSL	328°, 79%, 39%
HSV	328°, 89%, 70%
XYZ	21.6680, 11.2510, 14.8829
YIQ	78.3450, 67.1580, 60.4540

Conversions

Conversions Part 2

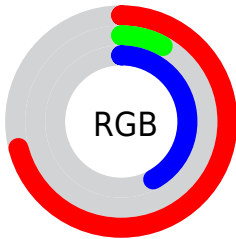
Format	Color
RYB	180, 21, 107
Decimal	11801963
CIELab	40.00, 64.06, -6.47
CIELCh	40, 64.390, 354.231
Yxy	11.2510, 0.4533, 0.2354
Android (android.graphics.Color)	4289992043 (0xFFB4156B)
YUV	78.3450, 14.1269, 89.1514
Hunter-Lab	33.5425, 56.6096, -2.8274

Details

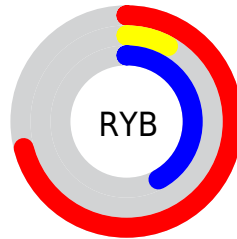
The CIELCh color **40, 64.390, 354.231** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **65, 66.179, 149.655**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 64.325, 354.264**, and **25, 48.946, 0.681** is the 20% darker color. If you saturate the color by 10%, you get **39, 65.650, 357.526**, and if you desaturate by 10%, it is **42, 61.413, 351.553**.

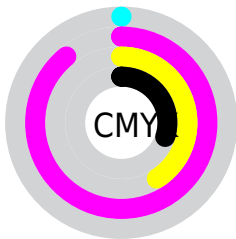
Distribution



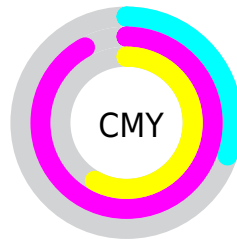
- Red (71%)
- Green (8%)
- Blue (42%)



- Red (71%)
- Yellow (8%)
- Blue (42%)



- Cyan (0%)
- Magenta (89%)
- Yellow (41%)
- Black (30%)





- Cyan (30%)
- Magenta (92%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 64.390, 354.231 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, 64.390, 354.231 by changing the saturation by 10% instead.


 40, 64.390,
354.231


 40, 64.390,
354.231


 100, 64.390,
354.231


 30, 64.390,
354.231

 60, 64.390,
354.231


 20, 64.390,
354.231

 70, 64.390,
354.231


 10, 64.390,
354.231

 80, 64.390,
354.231

 0, 64.390, 354.231

 90, 64.390,
354.231

 40, 64.390,

 40, 64.390,

354.231

■ 39, 65.650,
357.526

■ 39, 65.811,
358.017

354.231

■ 42, 61.413,
351.553

■ 44, 56.535,
349.418

■ 47, 50.045,
347.686

■ 51, 42.376,
346.247

■ 55, 33.963,
345.019

■ 60, 25.171,
343.945

■ 64, 16.265,
342.985

■ 69, 7.428, 342.100

Harmonies

Complementary

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



40, 64.390, 354.231



65, 66.179, 149.655

Rectangle

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



40, 64.390, 354.231



40, 64.390, 44.231



40, 64.390, 174.231



40, 64.390, 224.231

Sweetspot

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



40, 64.387, 354.232



77, 29.540, 343.835



30, 91.355, 311.277



39, 19.905, 344.176



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 64.387, 354.232



51, 80.157, 358.743



38, 71.595, 34.001



35, 4.893, 342.167



33, 58.535, 357.493



2, 10.872, 347.533

Inverse Universe

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



40, 64.387, 354.232



51, 80.157, 358.743



66, 39.138, 189.760



35, 4.893, 342.167



33, 58.535, 357.493



2, 10.872, 347.533

Previews

White Background



This preview shows how the CIELCh color 40, 64.390, 354.231 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, 64.390, 354.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

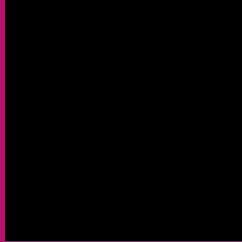
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 64.390, 354.231

Background



This preview shows how black text looks on a background with the CIELCh color 40, 64.390, 354.231.

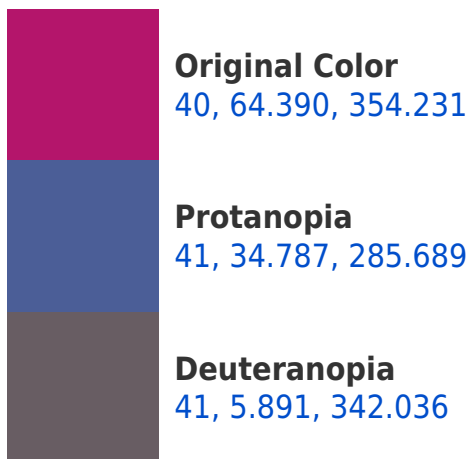


This preview shows how white text looks on a background with the CIELCh color 40, 64.390, 354.231.

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, 60.876, 30.686

Trichromacy



Original Color
40, 64.390, 354.231

Protanomaly
37, 44.473, 317.033

Deuteranomaly
38, 33.362, 346.358

Tritanomaly
40, 59.202, 16.608

Monochromacy



Original Color
40, 64.390, 354.231

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 30.427, 346.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 64.390, 354.231 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(180, 21, 107)` looks like.

```
.text, #text, p{  
    color:rgb(180, 21, 107)  
}
```

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(180, 21, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 21, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 64.390, 354.231 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(180, 21, 107) }
```

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

```
.border{ border-color:rgb(180, 21, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 21, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 21, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 21, 107);  
box-shadow:4px 4px 4px 4px rgb(180, 21,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 64.390, 354.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 21, 107) }
```

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

```
.background{ background-color: rgb(180, 21,  
107) }
```

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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