

Converting Colors

CIELCh(40, 63.259, 351.545)

Have a look what the booklet for
CIELCh(40, 63.259, 351.545)
contains.

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Color

CIELCh(40, 63.225, 351.722)

Conversions

Conversions Part 1

Format	Color
Hex	B11B6F
RGB	177, 27, 111
RGB Percent	69%, 11%, 44%
CMY	0.3064, 0.8949, 0.5652
CMYK	0.00, 0.85, 0.37, 0.31
HSL	326°, 74%, 40%
HSV	326°, 85%, 69%
XYZ	21.3509, 11.2510, 16.0522
YIQ	81.4260, 62.4360, 57.9240

Conversions

Conversions Part 2

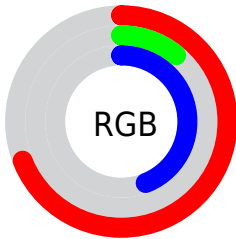
Format	Color
R_{YB}	177, 27, 111
Decimal	11606895
CIE Lab	40.00, 62.57, -9.10
CIE LCh	40, 63.225, 351.722
Yxy	11.2510, 0.4388, 0.2312
Android (android.graphics.Color)	4289796975 (0xFFB11B6F)
YUV	81.4260, 14.5800, 83.8184
Hunter-Lab	33.5425, 54.9218, -4.8944

Details

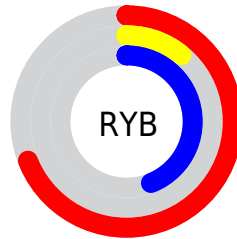
The CIELCh color **40, 63.225, 351.722** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **64, 64.621, 149.594**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.127, 351.662**, and **25, 48.773, 357.604** is the 20% darker color. If you saturate the color by 10%, you get **39, 64.919, 354.627**, and if you desaturate by 10%, it is **42, 59.578, 349.407**.

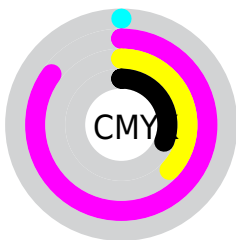
Distribution



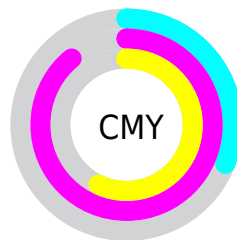
- Red (69%)
- Green (11%)
- Blue (44%)



- Red (69%)
- Yellow (11%)
- Blue (44%)



- Cyan (0%)
- Magenta (85%)
- Yellow (37%)
- Black (31%)





- Cyan (31%)
- Magenta (89%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.225, 351.722 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, 63.225, 351.722 by changing the saturation by 10% instead.

 40, 63.225,
351.722


 40, 63.225,
351.722


 100, 63.225,
351.722


 30, 63.225,
351.722

 60, 63.225,
351.722


 20, 63.225,
351.722

 70, 63.225,
351.722


 10, 63.225,
351.722

 80, 63.225,
351.722

 0, 63.225, 351.722

 90, 63.225,
351.722

 40, 63.225,

 40, 63.225,

351.722

■ 39, 64.919,
354.627

■ 38, 65.419,
356.276

351.722

■ 42, 59.578,
349.407

■ 45, 54.108,
347.543

■ 48, 47.176,
346.010

■ 52, 39.228,
344.714

■ 56, 30.674,
343.591

■ 60, 21.840,
342.595

■ 65, 12.959,
341.693

■ 70, 4.186, 340.825

Harmonies

Complementary

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



40, 63.225, 351.722



64, 64.621, 149.594

Rectangle

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



40, 63.225, 351.722



40, 63.225, 41.722



40, 63.225, 171.722



40, 63.225, 221.722

Sweetspot

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



40, 63.222, 351.723



76, 27.171, 342.651



30, 87.972, 310.948



38, 18.538, 342.982



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, 63.222, 351.723



50, 79.292, 356.956



38, 67.378, 31.399



35, 4.956, 341.221



33, 58.892, 355.830



2, 11.003, 346.489

Inverse Universe

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



40, 63.222, 351.723



50, 79.292, 356.956



65, 38.682, 187.944



35, 4.956, 341.221



33, 58.892, 355.830



2, 11.003, 346.489

Previews

White Background



This preview shows how the CIELCh color 40, 63.225, 351.722 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, 63.225, 351.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

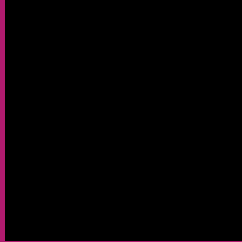
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.225, 351.722

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.225, 351.722.



This preview shows how white text looks on a background with the CIELCh color 40, 63.225, 351.722.

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, 63.225, 351.722

Protanopia

41, 36.645, 285.287

Deuteranopia

41, 6.950, 319.194



Tritanopia
40, 57.676, 29.658

Trichromacy



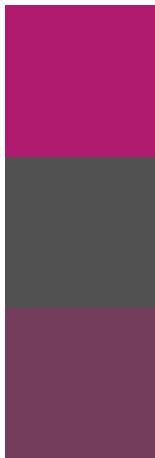
Original Color
40, 63.225, 351.722

Protanomaly
37, 43.855, 314.238

Deuteranomaly
38, 32.523, 341.745

Tritanomaly
40, 56.457, 14.723

Monochromacy



Original Color
40, 63.225, 351.722

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 29.406, 344.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.225, 351.722 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(177, 27, 111)` looks like.

```
.text, #text, p{  
    color:rgb(177, 27, 111)  
}
```

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(177, 27, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 27, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.225, 351.722 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(177, 27, 111) }
```

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

```
.border{ border-color:rgb(177, 27, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 27, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 27, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 27, 111);  
box-shadow:4px 4px 4px 4px rgb(177, 27,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.225, 351.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 27, 111) }
```

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

```
.background{ background-color: rgb(177, 27,  
111) }
```

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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