

Converting Colors

CIELCh(40, 64.959, 326.689)

Have a look what the booklet for
CIELCh(40, 64.959, 326.689)
contains.

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Color

CIELCh(40, 64.959, 326.689)

Conversions

Conversions Part 1

Format	Color
Hex	963399
RGB	150, 51, 153
RGB Percent	59%, 20%, 60%
CMY	0.4100, 0.7981, 0.3983
CMYK	0.02, 0.66, 0.00, 0.40
HSL	298°, 50%, 40%
HSV	298°, 66%, 60%
XYZ	19.6531, 11.2510, 31.4646
YIQ	92.2290, 26.2620, 52.7100

Conversions

Conversions Part 2

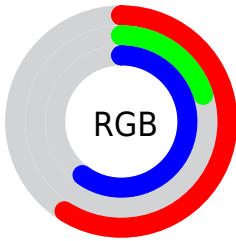
Format	Color
R_{YB}	150, 51, 153
Decimal	9843609
CIE _{Lab}	40.00, 54.29, -35.67
CIE _{LCh}	40, 64.959, 326.689
Yxy	11.2510, 0.3151, 0.1804
Android (android.graphics.Color)	4288033689 (0xFF963399)
YUV	92.2290, 29.9601, 50.6652
Hunter-Lab	33.5425, 45.8869, -32.1374

Details

The CIELCh color $40, 64.959, 326.689$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $56, 65.654, 138.211$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 65.240, 326.724$, and $22, 58.706, 326.397$ is the 20% darker color. If you saturate the color by 10%, you get $38, 71.298, 326.926$, and if you desaturate by 10%, it is $43, 57.051, 326.362$.

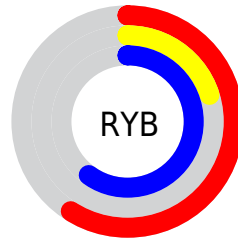
Distribution



Red (59%)

Green (20%)

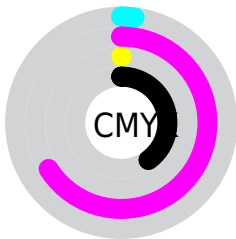
Blue (60%)



Red (59%)

Yellow (20%)

Blue (60%)

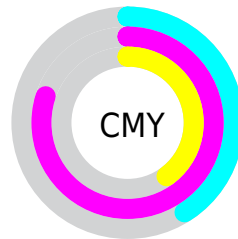


Cyan (2%)

Magenta (66%)

Yellow (0%)

Black (40%)



Cyan (41%)


Magenta (80%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 64.959, 326.689 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, 64.959, 326.689 by changing the saturation by 10% instead.


 40, 64.959,
326.689


 40, 64.959,
326.689


 100, 64.959,
326.689

 30, 64.959,
326.689

 60, 64.959,
326.689


 20, 64.959,
326.689

 70, 64.959,
326.689


 10, 64.959,
326.689

 80, 64.959,
326.689

 0, 64.959, 326.689

 90, 64.959,
326.689

 40, 64.959,

 40, 64.959,

326.689

■ 38, 71.298,
326.926

■ 37, 75.784,
327.060

■ 36, 78.418,
327.093

■ 35, 79.200,
327.097

326.689

■ 43, 57.051,
326.362

■ 46, 47.965,
325.961

■ 49, 38.088,
325.505

■ 53, 27.758,
325.013

■ 57, 17.241,
324.498

■ 61, 6.728, 323.964

■ 65, 3.650, 143.540

■ 69, 13.810,
143.000

■ 73, 23.703,
142.514

Harmonies

Complementary

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



40, 64.959, 326.689



56, 65.654, 138.211

Rectangle

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



40, 64.959, 326.689



40, 64.959, 16.689



40, 64.959, 146.689



40, 64.959, 196.689

Sweetspot

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



40, 64.957, 326.689



70, 25.918, 324.703



29, 62.533, 299.626



35, 17.643, 324.835



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 64.957, 326.689



48, 89.470, 327.007



38, 48.555, 349.416



30, 5.886, 324.116



32, 74.167, 327.106



1, 6.318, 323.555

Inverse Universe

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



37, 47.888, 26.907



44, 71.721, 32.089



57, 46.803, 154.413



30, 3.439, 17.526



28, 65.136, 37.885



1, 3.601, 17.012

Previews

White Background



This preview shows how the CIELCh color 40, 64.959, 326.689 looks on a white background.

Color Contrast Check

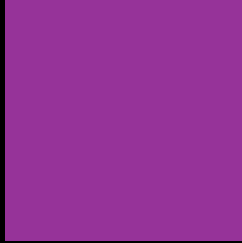
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.959, 326.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

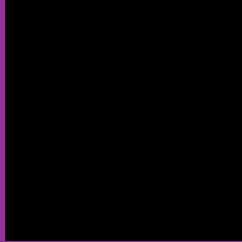
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 64.959, 326.689

Background



This preview shows how black text looks on a background with the CIELCh color 40, 64.959, 326.689.



This preview shows how white text looks on a background with the CIELCh color 40, 64.959, 326.689.

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, 30.367, 18.815

Trichromacy



Original Color
40, 64.959, 326.689

Protanomaly
38, 61.696, 297.324

Deuteranomaly
39, 43.424, 304.779

Tritanomaly
40, 39.075, 348.305

Monochromacy



Original Color
40, 64.959, 326.689

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 26.638, 325.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 64.959, 326.689 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(150, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 51, 153)  
}
```

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(150, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 51, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 64.959, 326.689 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(150, 51, 153) }
```

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

```
.border{ border-color:rgb(150, 51, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 51, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 51,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 64.959, 326.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 51, 153) }
```

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

```
.background{ background-color: rgb(150, 51,  
153) }
```

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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