

Converting Colors

CIELCh(40, 62.591, 327.602)

Have a look what the booklet for
CIELCh(40, 62.591, 327.602)
contains.

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Color

CIELCh(40, 62.712, 327.553)

Conversions

Conversions Part 1

Format	Color
Hex	963596
RGB	150, 53, 150
RGB Percent	59%, 21%, 59%
CMY	0.4114, 0.7918, 0.4114
CMYK	0.00, 0.65, 0.00, 0.41
HSL	300°, 48%, 40%
HSV	300°, 65%, 59%
XYZ	19.3823, 11.2510, 30.0388
YIQ	93.0610, 26.6750, 50.7310

Conversions

Conversions Part 2

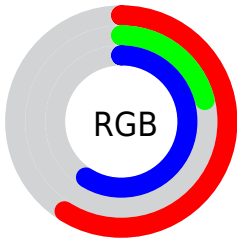
Format	Color
R_{YB}	150, 53, 150
Decimal	9844118
CIE _{Lab}	40.00, 52.92, -33.65
CIE _{LCh}	40, 62.712, 327.553
Yxy	11.2510, 0.3195, 0.1854
Android (android.graphics.Color)	4288034198 (0xFF963596)
YUV	93.0610, 28.0709, 49.9355
Hunter-Lab	33.5425, 44.4456, -29.6171

Details

The CIELCh color $40, 62.712, 327.553$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $55, 63.513, 138.881$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 62.843, 327.544$, and $22, 57.825, 327.108$ is the 20% darker color. If you saturate the color by 10%, you get $38, 69.177, 327.849$, and if you desaturate by 10%, it is $43, 54.749, 327.180$.

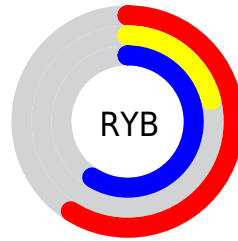
Distribution



Red (59%)

Green (21%)

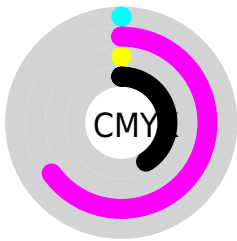
Blue (59%)



Red (59%)

Yellow (21%)

Blue (59%)

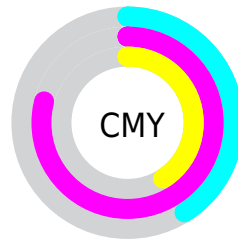


Cyan (0%)

Magenta (65%)

Yellow (0%)

Black (41%)



Cyan (41%)


Magenta (79%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 62.712, 327.553 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, 62.712, 327.553 by changing the saturation by 10% instead.


 40, 62.712,
327.553


 40, 62.712,
327.553


 100, 62.712,
327.553


 30, 62.712,
327.553

 60, 62.712,
327.553


 20, 62.712,
327.553

 70, 62.712,
327.553

 10, 62.712,
327.553

 80, 62.712,
327.553

 0, 62.712, 327.553

 90, 62.712,
327.553

 40, 62.712,

 40, 62.712,

327.553

■ 38, 69.177,
327.849

■ 37, 73.859,
328.059

■ 36, 76.670,
328.184

■ 35, 77.821,
328.235

327.553

■ 43, 54.749,
327.180

■ 45, 45.667,
326.744

■ 49, 35.839,
326.261

■ 52, 25.589,
325.746

■ 56, 15.173,
325.210

■ 60, 4.775, 324.646

■ 64, 5.479, 144.200

■ 68, 15.508,
143.660

■ 73, 25.267,
143.159

Harmonies

Complementary

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



40, 62.712, 327.553



55, 63.513, 138.881

Rectangle

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



40, 62.712, 327.553



40, 62.712, 17.553



40, 62.712, 147.553



40, 62.712, 197.553

Sweetspot

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



40, 62.710, 327.553



70, 24.569, 325.467



28, 61.725, 300.286



36, 17.049, 325.609



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, 62.710, 327.553



49, 87.509, 327.965



38, 45.973, 351.248



29, 5.775, 324.912



32, 73.085, 328.235



1, 5.023, 324.440

Inverse Universe

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



40, 62.710, 327.553



49, 87.509, 327.965



56, 43.603, 156.389



29, 5.775, 324.912



32, 73.085, 328.235



1, 5.023, 324.440

Previews

White Background



This preview shows how the CIELCh color 40, 62.712, 327.553 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, 62.712, 327.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

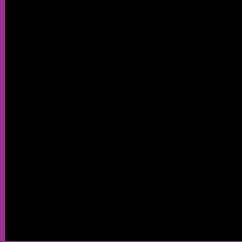
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 62.712, 327.553

Background



This preview shows how black text looks on a background with the CIELCh color 40, 62.712, 327.553.

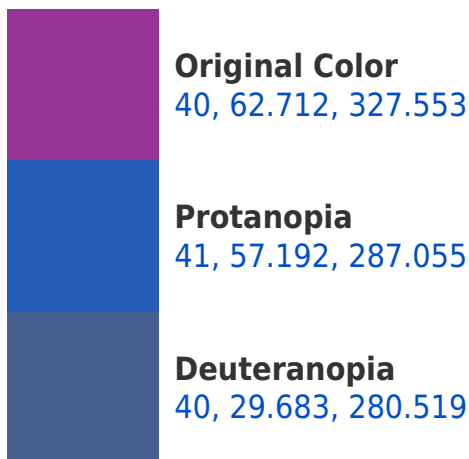


This preview shows how white text looks on a background with the CIELCh color 40, 62.712, 327.553.

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, 30.798, 17.932

Trichromacy



Original Color
40, 62.712, 327.553

Protanomaly
38, 58.021, 298.348

Deuteranomaly
39, 41.028, 305.139

Tritanomaly
39, 38.575, 349.879

Monochromacy



Original Color
40, 62.712, 327.553

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 26.151, 326.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 62.712, 327.553 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, 53, 150)` looks like.

```
.text, #text, p{  
    color:rgb(150, 53, 150)  
}
```

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, 53, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 53, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 62.712, 327.553 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, 53, 150) }
```

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

```
.border{ border-color:rgb(150, 53, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 53, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 53, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 53, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 53,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 62.712, 327.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 53, 150) }
```

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

```
.background{ background-color: rgb(150, 53,  
150) }
```

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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