

Converting Colors

CIELCh(40, 47.962, 327.009)

Have a look what the booklet for
CIELCh(40, 47.962, 327.009)
contains.

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Color

CIELCh(40, 47.981, 327.013)

Conversions

Conversions Part 1

Format	Color
Hex	8A4389
RGB	138, 67, 137
RGB Percent	54%, 26%, 54%
CMY	0.4608, 0.7354, 0.4608
CMYK	0.00, 0.51, 0.00, 0.46
HSL	300°, 34%, 40%
HSV	300°, 51%, 54%
XYZ	16.9842, 11.2510, 25.1268
YIQ	96.2090, 19.8460, 36.8220

Conversions

Conversions Part 2

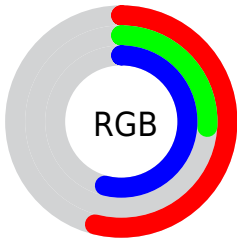
Format	Color
R_{YB}	138, 67, 137
Decimal	9061257
CIE _{Lab}	40.00, 40.25, -26.12
CIE _{LCh}	40, 47.981, 327.013
Yxy	11.2510, 0.3183, 0.2108
Android (android.graphics.Color)	4287251337 (0xFF8A4389)
YUV	96.2090, 20.1100, 36.6507
Hunter-Lab	33.5425, 31.6838, -20.9347

Details

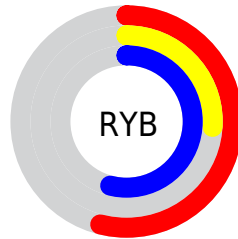
The CIELCh color $40, 47.981, 327.013$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $51, 48.225, 140.437$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 48.281, 327.264$, and $20, 48.086, 327.462$ is the 20% darker color. If you saturate the color by 10%, you get $37, 55.864, 327.411$, and if you desaturate by 10%, it is $43, 39.204, 326.560$.

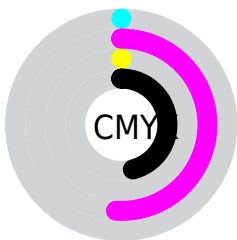
Distribution



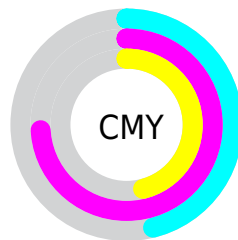
- Red (54%)
- Green (26%)
- Blue (54%)



- Red (54%)
- Yellow (26%)
- Blue (54%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (46%)





- Cyan (46%)
- Magenta (74%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 47.981, 327.013 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, 47.981, 327.013 by changing the saturation by 10% instead.


 40, 47.981,
327.013


 40, 47.981,
327.013


 100, 47.981,
327.013


 30, 47.981,
327.013

 60, 47.981,
327.013


 20, 47.981,
327.013

 70, 47.981,
327.013

 10, 47.981,
327.013

 80, 47.981,
327.013

 0, 47.981, 327.013

 90, 47.981,
327.013

 40, 47.981,

 40, 47.981,

327.013

■ 37, 55.864,
327.411

■ 35, 62.508,
327.738

■ 34, 67.602,
327.984

■ 33, 70.967,
328.145

■ 32, 73.000,
328.241

327.013

■ 43, 39.204,
326.560

■ 46, 29.867,
326.065

■ 50, 20.242,
325.545


■ 53, 10.536,
325.008

■ 57, 0.897, 324.279

■ 61, 8.577, 144.000

■ 65, 17.826,
143.483

■ 69, 26.815,
142.995

 73, 35.530,
142.532

Harmonies

Complementary

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



40, 47.981, 327.013



51, 48.225, 140.437

Rectangle

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



40, 47.981, 327.013



40, 47.981, 17.013



40, 47.981, 147.013



40, 47.981, 197.013

Sweetspot

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



40, 47.979, 327.013



66, 17.926, 325.246



32, 44.180, 297.333



33, 12.190, 325.343



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 47.979, 327.013



48, 68.881, 327.461



39, 34.852, 348.913



27, 5.440, 324.910



31, 71.105, 328.241



0, 2.511, 324.444

Inverse Universe

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



40, 47.979, 327.013



48, 68.881, 327.461



52, 33.030, 158.478



27, 5.440, 324.910



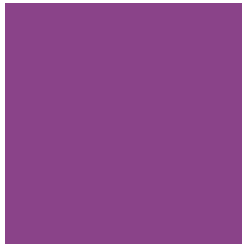
31, 71.105, 328.241



0, 2.511, 324.444

Previews

White Background



This preview shows how the CIELCh color 40, 47.981, 327.013 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, 47.981, 327.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

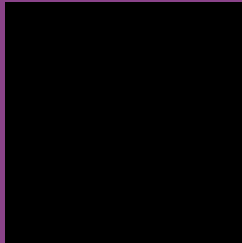
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 47.981, 327.013

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.981, 327.013.

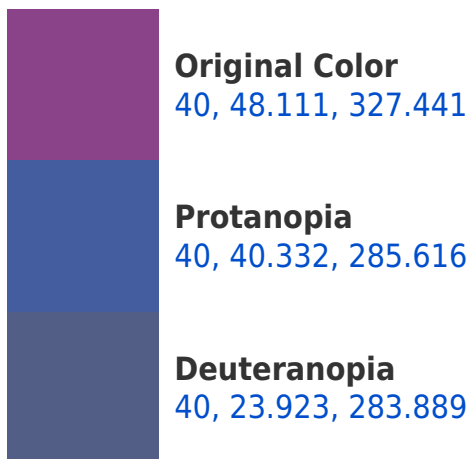


This preview shows how white text looks on a background with the CIELCh color 40, 47.981, 327.013.

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, 22.904, 14.035

Trichromacy



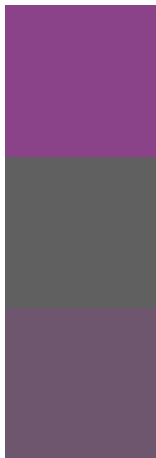
Original Color
40, 48.111, 327.441

Protanomaly
39, 41.077, 299.987

Deuteranomaly
39, 31.936, 306.100

Tritanomaly
40, 29.543, 346.886

Monochromacy



Original Color
40, 48.111, 327.441

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 18.277, 325.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.981, 327.013 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(138, 67, 137)` looks like.

```
.text, #text, p{  
    color:rgb(138, 67, 137)  
}
```

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(138, 67, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 67, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.981, 327.013 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(138, 67, 137) }
```

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

```
.border{ border-color:rgb(138, 67, 137) }
```

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

Here you see how a box with a 4 pixel rgb(138, 67, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 67, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 67, 137);  
box-shadow:4px 4px 4px 4px rgb(138, 67,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.981, 327.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 67, 137) }
```

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

```
.background{ background-color: rgb(138, 67,  
137) }
```

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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