

# Converting Colors

CIELCh(40, 16.736, 328.305)

Have a look what the booklet for  
CIELCh(40, 16.736, 328.305)  
contains.

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**Color**

**CIELCh(40, 16.579, 327.937)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F576D
RGB	111, 87, 109
RGB Percent	44%, 34%, 43%
CMY	0.5655, 0.6596, 0.5733
CMYK	0.00, 0.22, 0.02, 0.57
HSL	305°, 12%, 39%
HSV	305°, 22%, 43%
XYZ	12.6719, 11.2510, 15.9150
YIQ	96.6840, 7.2420, 11.9300

# Conversions

## Conversions Part 2

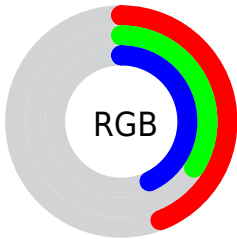
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 87, 109
Decimal	7296877
CIE <sub>Lab</sub>	40.00, 14.05, -8.80
CIE <sub>LCh</sub>	40, 16.579, 327.937
Yxy	11.2510, 0.3181, 0.2824
Android (android.graphics.Color)	4285486957 (0xFF6F576D)
YUV	96.6840, 6.0718, 12.5551
Hunter-Lab	33.5425, 8.7355, -4.6518

# Details

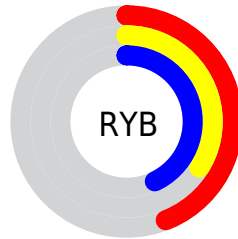
The CIELCh color  $40, 16.579, 327.937$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $44, 16.554, 145.420$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $60, 16.365, 328.646$ , and  $20, 17.155, 327.375$  is the 20% darker color. If you saturate the color by 10%, you get  $37, 24.206, 328.488$ , and if you desaturate by 10%, it is  $43, 8.890, 327.381$ .

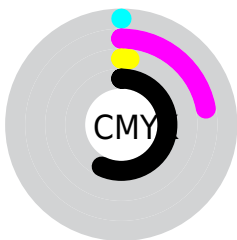
# Distribution



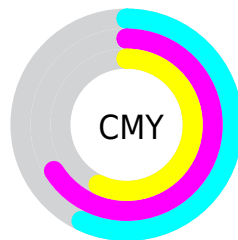
- Red (44%)
- Green (34%)
- Blue (43%)



- Red (44%)
- Yellow (34%)
- Blue (43%)



- Cyan (0%)
- Magenta (22%)
- Yellow (2%)
- Black (57%)




- Cyan (57%)
- Magenta (66%)
- Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.579, 327.937 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, 16.579, 327.937 by changing the saturation by 10% instead.





 40, 16.579,  
327.937


 40, 16.579,  
327.937


 100, 16.579,  
327.937


 30, 16.579,  
327.937

 60, 16.579,  
327.937


 20, 16.579,  
327.937

 70, 16.579,  
327.937


 10, 16.579,  
327.937

 80, 16.579,  
327.937

 0, 16.579, 327.937

 90, 16.579,  
327.937

 40, 16.579,

 40, 16.579,

327.937

327.937

37, 24.206,  
328.488

43, 8.890, 327.381

34, 31.616,  
329.029

46, 1.256, 326.717

49, 6.252, 146.363

32, 38.596,  
329.553

53, 13.588,  
145.838

30, 44.889,  
330.051

56, 20.726,  
145.345

28, 50.209,  
330.518

59, 27.657,  
144.877

26, 54.294,  
330.951

63, 34.379,  
144.433

25, 56.974,  
331.353

66, 40.896,  
144.014

25, 58.740,  
331.674

69, 47.217,



# Harmonies

# Complementary

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



40, 16.579, 327.937



44, 16.554, 145.420

# Rectangle

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



40, 16.579, 327.937



40, 16.579, 17.937



40, 16.579, 147.937



40, 16.579, 197.937

# Sweetspot

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



40, 16.577, 327.937



57, 5.620, 327.064



38, 14.820, 294.853



29, 3.703, 327.090



80, 0.010, 296.813



30, 0.005, 296.813





# Same Dimension

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



40, 16.577, 327.937



49, 24.514, 328.215



40, 11.959, 349.321



22, 4.329, 327.231



27, 62.091, 331.706



57, 105.662, 331.924



# Inverse Universe

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



40, 16.577, 327.937



49, 24.514, 328.215



45, 11.550, 165.542



22, 4.329, 327.231



27, 62.091, 331.706



57, 105.662, 331.924



# Previews

## White Background



This preview shows how the CIELCh color 40, 16.579, 327.937 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 CIELCh color 40, 16.579, 327.937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

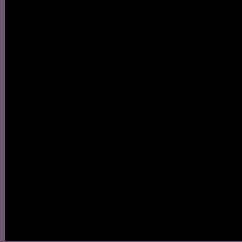
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 40, 16.579, 327.937**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 40, 16.579, 327.937.

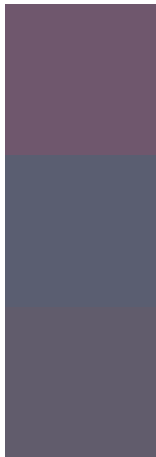


This preview shows how white text looks on a background with the CIELCh color 40, 16.579, 327.937.

# 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, 16.579, 327.937


### Protanopia

40, 11.642, 284.381

### Deuteranopia

40, 10.004, 303.105





**Tritanopia**  
40, 9.509, 354.265

# Trichromacy



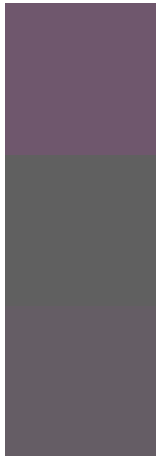
**Original Color**  
40, 16.579, 327.937

**Protanomaly**  
40, 12.573, 304.640

**Deuteranomaly**  
40, 12.057, 315.323

**Tritanomaly**  
40, 12.129, 340.540

# Monochromacy



**Original Color**  
40, 16.579, 327.937

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
40, 5.916, 324.821

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 16.579, 327.937 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(111, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(111, 87, 109)  
}
```

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(111, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 87, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 16.579, 327.937 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(111, 87, 109) }
```

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

```
.border{ border-color:rgb(111, 87, 109) }
```

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

Here you see how a box with a 4 pixel rgb(111, 87, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(111, 87,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 16.579, 327.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 87, 109) }
```

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

```
.background{ background-color: rgb(111, 87,  
109) }
```

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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