

# Converting Colors

CIELCh(40, 19.914, 354.457)

Have a look what the booklet for  
CIELCh(40, 19.914, 354.457)  
contains.

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**Color**

**CIELCh(40, 20.179, 354.077)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C5262
RGB	124, 82, 98
RGB Percent	49%, 32%, 38%
CMY	0.5129, 0.6776, 0.6149
CMYK	0.00, 0.34, 0.21, 0.51
HSL	337°, 20%, 40%
HSV	337°, 34%, 49%
XYZ	13.5893, 11.2510, 13.0602
YIQ	96.3820, 19.8960, 13.8800

# Conversions

## Conversions Part 2

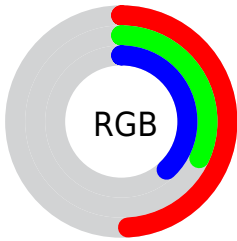
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 82, 98
Decimal	8147554
CIE Lab	40.00, 20.07, -2.08
CIE LCh	40, 20.179, 354.077
Yxy	11.2510, 0.3586, 0.2969
Android (android.graphics.Color)	4286337634 (0xFF7C5262)
YUV	96.3820, 0.7977, 24.2210
Hunter-Lab	33.5425, 13.6177, 0.3944

# Details

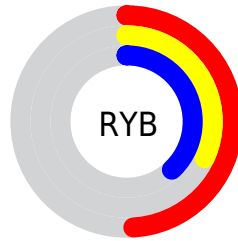
The CIELCh color  $40, 20.179, 354.077$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $49, 18.821, 167.390$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $60, 20.089, 353.346$ , and  $20, 20.363, 353.446$  is the 20% darker color. If you saturate the color by 10%, you get  $37, 26.233, 355.487$ , and if you desaturate by 10%, it is  $43, 14.077, 352.874$ .

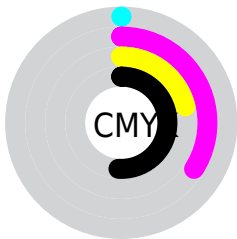
# Distribution



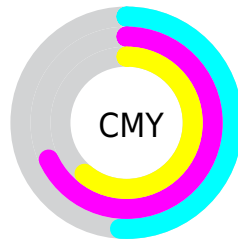
- Red (49%)
- Green (32%)
- Blue (38%)



- Red (49%)
- Yellow (32%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (21%)
- Black (51%)




- Cyan (51%)
- Magenta (68%)
- Yellow (61%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.179, 354.077 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, 20.179, 354.077 by changing the saturation by 10% instead.





 40, 20.179,  
354.077


 40, 20.179,  
354.077


 100, 20.179,  
354.077


 30, 20.179,  
354.077

 60, 20.179,  
354.077


 20, 20.179,  
354.077

 70, 20.179,  
354.077

 10, 20.179,  
354.077

 80, 20.179,  
354.077

 0, 20.179, 354.077

 90, 20.179,  
354.077

 40, 20.179,

 40, 20.179,

354.077

354.077

37, 26.233,  
355.487

43, 14.077,  
352.874

34, 32.062,  
357.170

47, 8.058, 351.816

31, 37.420,  
359.226

51, 2.195, 350.791

54, 3.470, 170.205

29, 42.035, 1.783

58, 8.921, 169.407

27, 45.666, 4.998

62, 14.156,  
168.719

26, 48.244, 8.996

66, 19.182,  
168.095

25, 49.774, 11.532

70, 24.010,  
167.522

73, 28.656,  
166.993



# Harmonies

# Complementary

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



40, 20.179, 354.077



49, 18.821, 167.390

# Rectangle

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



40, 20.179, 354.077



40, 20.179, 44.077



40, 20.179, 174.077



40, 20.179, 224.077

# Sweetspot

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



40, 20.177, 354.079



62, 7.154, 351.459



39, 27.566, 314.458



32, 4.928, 351.574



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



40, 20.177, 354.079



48, 30.289, 355.207



41, 17.174, 31.467



24, 3.220, 351.343



25, 49.989, 11.567



54, 84.762, 14.672



# Inverse Universe

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



40, 20.177, 354.079



48, 30.289, 355.207



48, 13.601, 210.413



24, 3.220, 351.343



25, 49.989, 11.567

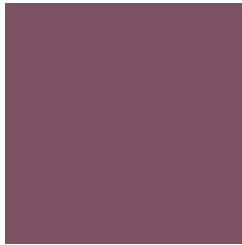


54, 84.762, 14.672



# Previews

## White Background



This preview shows how the CIELCh color 40, 20.179, 354.077 looks on a white background.

## Color Contrast Check

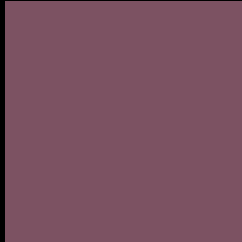
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.179, 354.077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

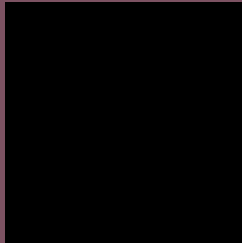
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 40, 20.179, 354.077**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 40, 20.179, 354.077.



This preview shows how white text looks on a background with the CIELCh color 40, 20.179, 354.077.

# 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, 20.179, 354.077

### Protanopia

40, 6.710, 287.794

### Deuteranopia

40, 5.257, 352.585





**Tritanopia**  
40, 17.442, 10.148

# Trichromacy



**Original Color**  
40, 20.179, 354.077

**Protanomaly**  
40, 9.838, 327.124

**Deuteranomaly**  
40, 11.180, 351.836

**Tritanomaly**  
40, 18.273, 3.041

# Monochromacy



**Original Color**  
40, 20.179, 354.077

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
41, 7.044, 354.925

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 20.179, 354.077 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(124, 82, 98)` looks like.

```
.text, #text, p{  
    color:rgb(124, 82, 98)  
}
```

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(124, 82, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 82, 98) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 20.179, 354.077 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(124, 82, 98) }
```

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

```
.border{ border-color:rgb(124, 82, 98) }
```

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

Here you see how a box with a 4 pixel rgb(124, 82, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 82, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 82, 98);  
box-shadow:4px 4px 4px 4px rgb(124, 82,  
98) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 20.179, 354.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 82, 98) }
```

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

```
.background{ background-color: rgb(124, 82,  
98) }
```

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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