

# Converting Colors

CIELCh(40, 19.519, 341.807)

Have a look what the booklet for  
CIELCh(40, 19.519, 341.807)  
contains.

<b>CIELCh(40, 19.521, 341.806)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(40, 19.521, 341.806)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	785469
RGB	120, 84, 105
RGB Percent	47%, 33%, 41%
CMY	0.5311, 0.6722, 0.5899
CMYK	0.00, 0.30, 0.13, 0.53
HSL	325°, 18%, 40%
HSV	325°, 30%, 47%
XYZ	13.3527, 11.2510, 14.7200
YIQ	97.1580, 14.7150, 14.1630

# Conversions

## Conversions Part 2

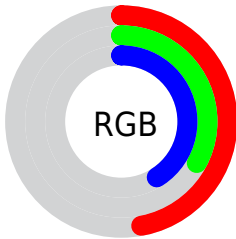
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 84, 105
Decimal	7885929
CIE Lab	40.00, 18.55, -6.10
CIE LCh	40, 19.521, 341.806
Yxy	11.2510, 0.3396, 0.2861
Android (android.graphics.Color)	4286076009 (0xFF785469)
YUV	97.1580, 3.8661, 20.0324
Hunter-Lab	33.5425, 12.3586, -2.5395

# Details

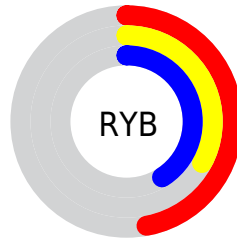
The CIELCh color  $40, 19.521, 341.806$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $47, 19.084, 156.915$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $60, 19.492, 342.182$ , and  $20, 19.792, 341.932$  is the 20% darker color. If you saturate the color by 10%, you get  $37, 25.955, 342.775$ , and if you desaturate by 10%, it is  $43, 12.980, 340.930$ .

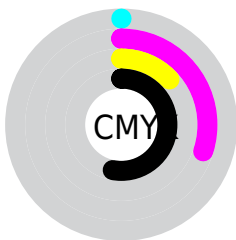
# Distribution



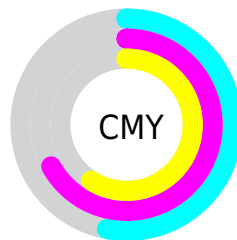
- Red (47%)
- Green (33%)
- Blue (41%)



- Red (47%)
- Yellow (33%)
- Blue (41%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (53%)




- Cyan (53%)
- Magenta (67%)
- Yellow (59%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.521, 341.806 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, 19.521, 341.806 by changing the saturation by 10% instead.





 40, 19.521,  
341.806


 40, 19.521,  
341.806


 100, 19.521,  
341.806


 30, 19.521,  
341.806

 60, 19.521,  
341.806


 20, 19.521,  
341.806


 70, 19.521,  
341.806


 10, 19.521,  
341.806

 80, 19.521,  
341.806

 0, 19.521, 341.806

 90, 19.521,  
341.806

 40, 19.521,

 40, 19.521,

341.806

37, 25.955,  
342.775

34, 32.100,  
343.863

31, 37.707,  
345.112

29, 42.482,  
346.584

27, 46.126,  
348.360

26, 48.420,  
350.547

25, 49.893,  
352.994

341.806

43, 12.980,  
340.930

47, 6.465, 340.115

50, 0.058, 334.991

54, 6.192, 158.785

57, 12.262,  
158.133

61, 18.140,  
157.537

65, 23.828,  
156.982

68, 29.333,  
156.464

72, 34.663,



# Harmonies

# Complementary

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



40, 19.521, 341.806



47, 19.084, 156.915

# Rectangle

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



40, 19.521, 341.806



40, 19.521, 31.806



40, 19.521, 161.806



40, 19.521, 211.806

# Sweetspot

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



40, 19.519, 341.807



60, 7.151, 340.046



38, 22.884, 307.114



31, 5.014, 340.143



83, 0.010, 296.813



34, 0.005, 296.813





# Same Dimension

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



40, 19.519, 341.807



49, 28.954, 342.455



39, 16.035, 14.058



23, 3.549, 340.029



26, 50.717, 353.078



54, 85.204, 355.028



# Inverse Universe

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



40, 19.519, 341.807



49, 28.954, 342.455



48, 13.701, 188.940



23, 3.549, 340.029



26, 50.717, 353.078

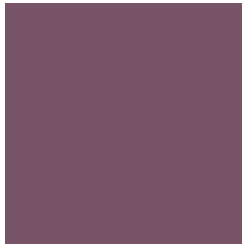


54, 85.204, 355.028



# Previews

## White Background



This preview shows how the CIELCh color 40, 19.521, 341.806 looks on a white background.

## Color Contrast Check

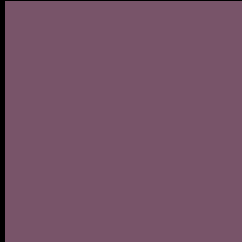
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.521, 341.806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

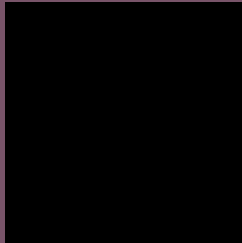
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 40, 19.521, 341.806

## Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.521, 341.806.



This preview shows how white text looks on a background with the CIELCh color 40, 19.521, 341.806.

# 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, 19.521, 341.806

**Protanopia**

40, 10.399, 285.341

**Deuteranopia**

40, 7.501, 316.998





**Tritanopia**  
40, 14.344, 6.954

# Trichromacy



**Original Color**  
40, 19.521, 341.806

**Protanomaly**  
40, 12.468, 312.483

**Deuteranomaly**  
40, 11.796, 330.342

**Tritanomaly**  
40, 16.162, 355.256

# Monochromacy



**Original Color**  
40, 19.521, 341.806

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
41, 7.309, 338.764

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 19.521, 341.806 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(120, 84, 105)` looks like.

```
.text, #text, p{  
    color:rgb(120, 84, 105)  
}
```

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(120, 84, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 84, 105) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 19.521, 341.806 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(120, 84, 105) }
```

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

```
.border{ border-color:rgb(120, 84, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 84, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 84, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 84, 105);  
box-shadow:4px 4px 4px 4px rgb(120, 84,  
105) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 19.521, 341.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 84, 105) }
```

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

```
.background{ background-color: rgb(120, 84,  
105) }
```

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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