

Converting Colors

CIELCh(41, 32.459, 328.860)

Have a look what the booklet for
CIELCh(41, 32.459, 328.860)
contains.

CIELCh(41, 32.804, 328.813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 32.804, 328.813)

Conversions

Conversions Part 1

Format	Color
Hex	81507D
RGB	129, 80, 125
RGB Percent	51%, 31%, 49%
CMY	0.4945, 0.6866, 0.5101
CMYK	0.00, 0.38, 0.03, 0.49
HSL	305°, 23%, 41%
HSV	305°, 38%, 51%
XYZ	15.5993, 11.8645, 20.8419
YIQ	99.7810, 14.7590, 24.3830

Conversions

Conversions Part 2

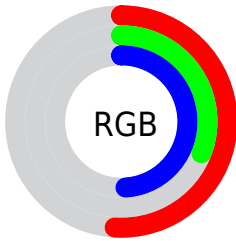
Format	Color
R_{YB}	129, 80, 125
Decimal	8474749
CIE _{Lab}	41.00, 28.06, -16.99
CIE _{LCh}	41, 32.804, 328.813
Yxy	11.8645, 0.3229, 0.2456
Android (android.graphics.Color)	4286664829 (0xFF81507D)
YUV	99.7810, 12.4330, 25.6251
Hunter-Lab	34.4449, 20.5597, -11.7638

Details

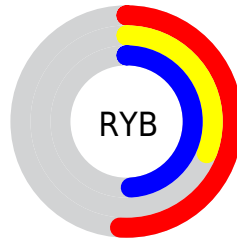
The CIELCh color **41, 32.804, 328.813** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **50, 32.823, 143.950**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 33.155, 328.759**, and **21, 32.853, 328.472** is the 20% darker color. If you saturate the color by 10%, you get **38, 40.888, 329.350**, and if you desaturate by 10%, it is **44, 24.302, 328.261**.

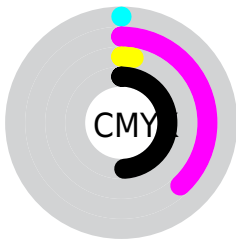
Distribution



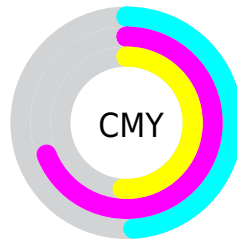
- Red (51%)
- Green (31%)
- Blue (49%)



- Red (51%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (38%)
- Yellow (3%)
- Black (49%)





- Cyan (49%)
- Magenta (69%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 32.804, 328.813 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 41, 32.804, 328.813 by changing the saturation by 10% instead.


 41, 32.804,
328.813


 41, 32.804,
328.813


 100, 32.804,
328.813


 31, 32.804,
328.813

 61, 32.804,
328.813


 21, 32.804,
328.813

 71, 32.804,
328.813

 11, 32.804,
328.813

 81, 32.804,
328.813

 1, 32.804, 328.813

 91, 32.804,
328.813

 0, 32.804, 328.813

 41, 32.804,

 41, 32.804,

328.813

38, 40.888,
329.350

35, 48.271,
329.862

33, 54.625,
330.342

32, 59.627,
330.785

30, 63.044,
331.196

30, 65.094,
331.582

29, 65.485,
331.657

328.813

44, 24.302,
328.261

48, 15.615,
327.700

51, 6.909, 327.130

55, 1.702, 146.734

58, 10.145,
146.107

62, 18.377,
145.589

66, 26.375,
145.098

70, 34.132,
144.633

■ 73, 41.649,
144.194

Harmonies

Complementary

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



41, 32.804, 328.813



50, 32.823, 143.950

Rectangle

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



41, 32.804, 328.813



41, 32.804, 18.813



41, 32.804, 148.813



41, 32.804, 198.813

Sweetspot

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



41, 32.802, 328.813



64, 11.831, 327.318



36, 30.455, 296.981



33, 7.917, 327.381



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



41, 32.802, 328.813



50, 48.801, 329.301



40, 24.024, 351.250



25, 4.825, 327.193



29, 64.971, 331.653



0, 0.000, 0.000

Inverse Universe

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



41, 32.802, 328.813



50, 48.801, 329.301



50, 22.587, 163.758



25, 4.825, 327.193



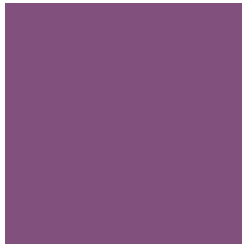
29, 64.971, 331.653



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 41, 32.804, 328.813 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 41, 32.804, 328.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

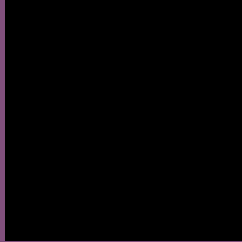
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 32.804, 328.813

Background



This preview shows how black text looks on a background with the CIELCh color 41, 32.804, 328.813.



This preview shows how white text looks on a background with the CIELCh color 41, 32.804, 328.813.

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

41, 32.804, 328.813

Protanopia

41, 25.020, 284.511

Deuteranopia

41, 16.393, 291.297



Tritanopia
41, 17.438, 8.130

Trichromacy



Original Color
41, 32.804, 328.813

Protanomaly
41, 26.495, 301.688

Deuteranomaly
41, 21.168, 310.803

Tritanomaly
41, 21.443, 346.665

Monochromacy



Original Color
41, 32.804, 328.813

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 12.180, 328.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 32.804, 328.813 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(129, 80, 125)` looks like.

```
.text, #text, p{  
  color:rgb(129, 80, 125)  
}
```

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(129, 80, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 80, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 32.804, 328.813 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(129, 80, 125) }
```

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

```
.border{ border-color:rgb(129, 80, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 80, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 80, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 80, 125);  
box-shadow:4px 4px 4px 4px rgb(129, 80,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 32.804, 328.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 80, 125) }
```

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

```
.background{ background-color: rgb(129, 80,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor