

Converting Colors

CIELCh(37, 41.436, 319.743)

Have a look what the booklet for
CIELCh(37, 41.436, 319.743)
contains.

CIELCh(37, 41.984, 319.616)	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(37, 41.984, 319.616)

Conversions

Conversions Part 1

Format	Color
Hex	744483
RGB	116, 68, 131
RGB Percent	45%, 27%, 51%
CMY	0.5441, 0.7324, 0.4853
CMYK	0.11, 0.48, 0.00, 0.49
HSL	286°, 32%, 39%
HSV	286°, 48%, 51%
XYZ	13.4305, 9.5379, 22.6943
YIQ	89.5340, 8.3850, 29.7690

Conversions

Conversions Part 2

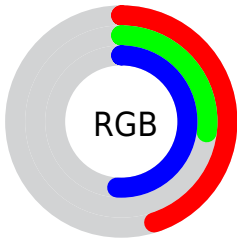
Format	Color
R_{YB}	116, 68, 131
Decimal	7619715
CIE _{Lab}	37.00, 31.98, -27.20
CIE _{LCh}	37, 41.984, 319.616
Yxy	9.5379, 0.2941, 0.2089
Android (android.graphics.Color)	4285809795 (0xFF744483)
YUV	89.5340, 20.4427, 23.2107
Hunter-Lab	30.8835, 23.5793, -21.9498

Details

The CIELCh color $[37, 41.984, 319.616]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[50, 40.980, 135.141]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 41.572, 319.532]$, and $[17, 41.863, 319.770]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 50.154, 319.922]$, and if you desaturate by 10%, it is $[40, 33.360, 319.243]$.

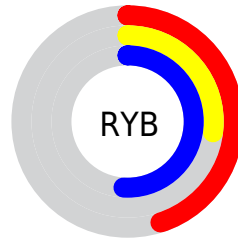
Distribution



Red (45%)

Green (27%)

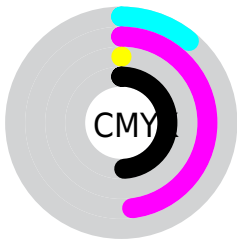
Blue (51%)



Red (45%)

Yellow (27%)

Blue (51%)

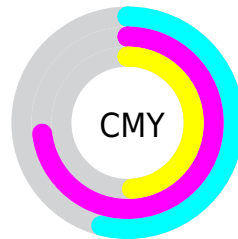


Cyan (11%)

Magenta (48%)

Yellow (0%)

Black (49%)



Cyan (54%)


Magenta (73%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 41.984, 319.616 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 37, 41.984, 319.616 by changing the saturation by 10% instead.


 37, 41.984,
319.616


 37, 41.984,
319.616

 100, 41.984,
319.616


 27, 41.984,
319.616

 57, 41.984,
319.616


 17, 41.984,
319.616


 67, 41.984,
319.616

 7, 41.984, 319.616

 77, 41.984,
319.616

 0, 41.984, 319.616

 87, 41.984,
319.616

 97, 41.984,
319.616

■ 37, 41.984,
319.616

■ 37, 41.984,
319.616

■ 34, 50.154,
319.922

■ 40, 33.360,
319.243

■ 31, 57.542,
320.121

■ 44, 24.534,
318.832

■ 28, 63.760,
320.168

■ 48, 15.681,
318.405

■ 27, 68.427,
320.015

■ 52, 6.916, 317.972

■ 56, 1.689, 137.670

■ 25, 71.645,
319.681

■ 60, 10.094,
137.210

■ 25, 72.282,
319.620

■ 64, 18.277,
136.839

■ 68, 26.229,
136.498

■ 71, 33.952,
136.186

Harmonies

Complementary

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



37, 41.984, 319.616



50, 40.980, 135.141

Rectangle

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



37, 41.984, 319.616



37, 41.984, 9.616



37, 41.984, 139.616



37, 41.984, 189.616

Sweetspot

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



37, 41.983, 319.616



63, 15.075, 318.246



36, 29.466, 285.007



32, 10.505, 318.327



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 41.983, 319.616



44, 62.064, 319.955



38, 37.046, 335.633



26, 4.914, 318.021



25, 71.802, 319.627



0, 1.167, 317.660

Inverse Universe

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



37, 28.907, 6.535



44, 43.402, 9.026



50, 36.895, 148.211



26, 3.202, 1.161



26, 54.340, 24.630



0, 0.751, 0.395

Previews

White Background



This preview shows how the CIELCh color 37, 41.984, 319.616 looks on a white background.

Color Contrast Check

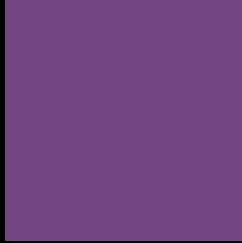
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 41.984, 319.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

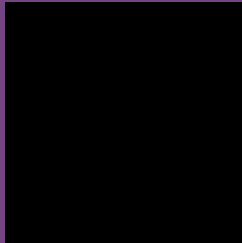
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 41.984, 319.616

Background



This preview shows how black text looks on a background with the CIELCh color 37, 41.984, 319.616.



This preview shows how white text looks on a background with the CIELCh color 37, 41.984, 319.616.

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

37, 41.984, 319.616

Protanopia

37, 37.208, 285.215

Deuteranopia

37, 25.600, 282.240



Tritanopia
37, 14.116, 6.606

Trichromacy



Original Color
37, 41.984, 319.616

Protanomaly
37, 37.722, 296.839

Deuteranomaly
37, 30.519, 299.358

Tritanomaly
37, 22.405, 335.302

Monochromacy



Original Color
37, 41.984, 319.616

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 15.997, 319.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 41.984, 319.616 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(116, 68, 131)` looks like.

```
.text, #text, p{  
    color:rgb(116, 68, 131)  
}
```

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(116, 68, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 68, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 41.984, 319.616 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(116, 68, 131) }
```

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

```
.border{ border-color:rgb(116, 68, 131) }
```

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

Here you see how a box with a 4 pixel rgb(116, 68, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 68, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 68, 131);  
box-shadow:4px 4px 4px 4px rgb(116, 68,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 41.984, 319.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 68, 131) }
```

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

```
.background{ background-color: rgb(116, 68,  
131) }
```

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