

Converting Colors

CIELCh(34, 41.352, 318.261)

Have a look what the booklet for
CIELCh(34, 41.352, 318.261)
contains.

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Color

CIELCh(34, 41.370, 318.043)

Conversions

Conversions Part 1

Format	Color
Hex	6A3E7C
RGB	106, 62, 124
RGB Percent	42%, 24%, 49%
CMY	0.5834, 0.7560, 0.5128
CMYK	0.14, 0.50, 0.00, 0.51
HSL	283°, 33%, 37%
HSV	283°, 50%, 49%
XYZ	11.3586, 8.0082, 20.0932
YIQ	82.2240, 6.3220, 28.6100

Conversions

Conversions Part 2

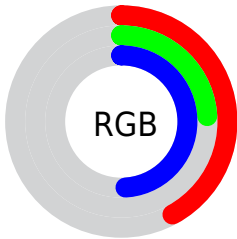
Format	Color
R_{YB}	106, 62, 124
Decimal	6962812
CIE _{Lab}	34.00, 30.76, -27.66
CIE _{LCh}	34, 41.370, 318.043
Yxy	8.0082, 0.2879, 0.2029
Android (android.graphics.Color)	4285152892 (0xFF6A3E7C)
YUV	82.2240, 20.5956, 20.8516
Hunter-Lab	28.2988, 22.1238, -22.2890

Details

The CIELCh color $34, 41.370, 318.043$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $48, 40.022, 133.589$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 41.500, 318.167$, and $14, 41.787, 318.259$ is the 20% darker color. If you saturate the color by 10%, you get $31, 49.164, 318.341$, and if you desaturate by 10%, it is $37, 33.162, 317.674$.

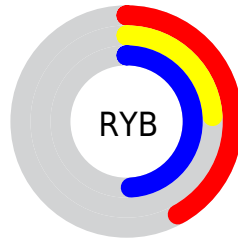
Distribution



Red (42%)

Green (24%)

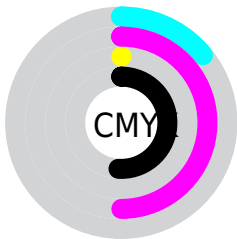
Blue (49%)



Red (42%)

Yellow (24%)

Blue (49%)

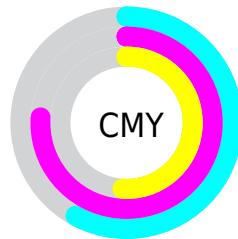


Cyan (14%)

Magenta (50%)

Yellow (0%)

Black (51%)



Cyan (58%)


Magenta (76%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 41.370, 318.043 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 34, 41.370, 318.043 by changing the saturation by 10% instead.


 34, 41.370,
318.043


 34, 41.370,
318.043

 100, 41.370,
318.043


 24, 41.370,
318.043

 54, 41.370,
318.043


 14, 41.370,
318.043


 64, 41.370,
318.043

 4, 41.370, 318.043

 74, 41.370,
318.043

 0, 41.370, 318.043

 84, 41.370,
318.043

 94, 41.370,
318.043

■ 34, 41.370,
318.043

■ 34, 41.370,
318.043

■ 31, 49.164,
318.341

■ 37, 33.162,
317.674

■ 28, 56.228,
318.524

■ 41, 24.781,
317.267

■ 26, 62.176,
318.539

■ 45, 16.387,
316.846

■ 24, 66.627,
318.330

■ 48, 8.086, 316.423

■ 52, 0.059, 138.235

■ 22, 70.029,
317.986

■ 56, 8.010, 135.678

■ 22, 70.058,
317.984

■ 60, 15.751,
135.318

■ 64, 23.275,
134.992

■ 67, 30.584,
134.694

Harmonies

Complementary

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



34, 41.370, 318.043



48, 40.022, 133.589

Rectangle

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



34, 41.370, 318.043



34, 41.370, 8.043



34, 41.370, 138.043



34, 41.370, 188.043

Sweetspot

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



34, 41.369, 318.043



59, 15.168, 316.653



35, 27.460, 282.126



30, 10.446, 316.726



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



34, 41.369, 318.043



40, 60.614, 318.377



36, 37.964, 333.704



24, 4.532, 316.386



22, 70.350, 317.979



48, 118.748, 317.495

Inverse Universe

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



35, 29.025, 2.960



41, 42.815, 5.456



47, 37.995, 146.320



24, 3.065, 357.393



25, 51.376, 19.887



53, 88.062, 23.196

Previews

White Background



This preview shows how the CIELCh color 34, 41.370, 318.043 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 CIE LCh color 34, 41.370, 318.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

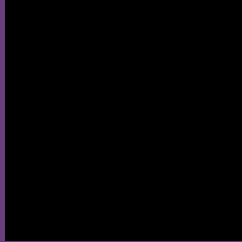
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 41.370, 318.043

Background



This preview shows how black text looks on a background with the CIELCh color 34, 41.370, 318.043.



This preview shows how white text looks on a background with the CIELCh color 34, 41.370, 318.043.

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

34, 41.370, 318.043

Protanopia

34, 38.335, 286.344

Deuteranopia

34, 26.033, 281.467



Tritanopia
34, 12.123, 3.539

Trichromacy



Original Color
34, 41.370, 318.043

Protanomaly
34, 38.917, 296.857

Deuteranomaly
34, 30.213, 297.653

Tritanomaly
34, 21.152, 332.930

Monochromacy



Original Color
34, 41.370, 318.043

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 15.311, 317.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 41.370, 318.043 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(106, 62, 124)` looks like.

```
.text, #text, p{  
    color:rgb(106, 62, 124)  
}
```

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(106, 62, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 62, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 41.370, 318.043 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(106, 62, 124) }
```

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

```
.border{ border-color:rgb(106, 62, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 62, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 62, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 62, 124);  
box-shadow:4px 4px 4px 4px rgb(106, 62,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 41.370, 318.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 62, 124) }
```

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

```
.background{ background-color: rgb(106, 62,  
124) }
```

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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