

Converting Colors

CIELCh(40, 21.202, 314.555)

Have a look what the booklet for
CIELCh(40, 21.202, 314.555)
contains.

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Color

CIELCh(40, 21.077, 314.419)

Conversions

Conversions Part 1

Format	Color
Hex	6B5777
RGB	107, 87, 119
RGB Percent	42%, 34%, 47%
CMY	0.5808, 0.6592, 0.5337
CMYK	0.10, 0.27, 0.00, 0.53
HSL	277°, 16%, 40%
HSV	277°, 27%, 47%
XYZ	12.7766, 11.2510, 18.9204
YIQ	96.6280, 1.6480, 14.1920

Conversions

Conversions Part 2

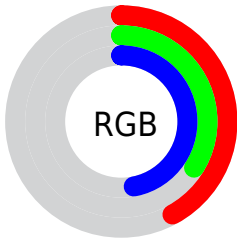
Format	Color
R_{YB}	107, 87, 119
Decimal	7034743
CIE _{Lab}	40.00, 14.75, -15.05
CIE _{LCh}	40, 21.077, 314.419
Yxy	11.2510, 0.2975, 0.2620
Android (android.graphics.Color)	4285224823 (0xFF6B5777)
YUV	96.6280, 11.0294, 9.0962
Hunter-Lab	33.5425, 9.2928, -9.9641

Details

The CIELCh color $40, 21.077, 314.419$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $48, 20.552, 132.154$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 20.943, 314.861$, and $20, 21.702, 314.162$ is the 20% darker color. If you saturate the color by 10%, you get $36, 29.112, 314.852$, and if you desaturate by 10%, it is $44, 13.115, 313.987$.

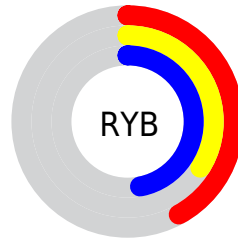
Distribution



Red (42%)

Green (34%)

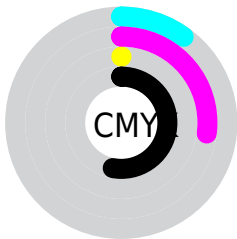
Blue (47%)



Red (42%)

Yellow (34%)

Blue (47%)

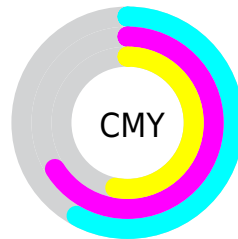


Cyan (10%)

Magenta (27%)

Yellow (0%)

Black (53%)



Cyan (58%)


Magenta (66%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.077, 314.419 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, 21.077, 314.419 by changing the saturation by 10% instead.


 40, 21.077,
314.419


 40, 21.077,
314.419


 100, 21.077,
314.419


 30, 21.077,
314.419

 60, 21.077,
314.419


 20, 21.077,
314.419

 70, 21.077,
314.419

 10, 21.077,
314.419

 80, 21.077,
314.419

 0, 21.077, 314.419

 90, 21.077,
314.419

 40, 21.077,

 40, 21.077,

314.419

36, 29.112,
314.852

33, 37.108,
315.267

30, 44.885,
315.632

27, 52.177,
315.902

24, 58.627,
316.019

22, 63.817,
315.911

20, 67.703,
315.587

19, 68.937,
315.514

314.419

44, 13.115,
313.987

47, 5.299, 313.562

51, 2.334, 133.242

55, 9.765, 132.849

59, 16.988,
132.517

62, 24.003,
132.219

66, 30.816,
131.953

70, 37.434,
131.715

74, 43.866,

Harmonies

Complementary

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



40, 21.077, 314.419



48, 20.552, 132.154

Rectangle

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



40, 21.077, 314.419



40, 21.077, 4.419



40, 21.077, 134.419



40, 21.077, 184.419

Sweetspot

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



40, 21.076, 314.419



60, 7.659, 313.618



42, 12.629, 270.830



31, 5.493, 313.673



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, 21.076, 314.419



49, 31.374, 314.676



41, 21.338, 329.291



23, 4.280, 313.653



20, 70.400, 315.482



44, 119.843, 314.908

Inverse Universe

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



41, 15.345, 353.592



50, 22.866, 354.314



47, 21.301, 145.984



23, 3.096, 351.705



25, 49.293, 11.989



53, 84.247, 15.207

Previews

White Background



This preview shows how the CIELCh color 40, 21.077, 314.419 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 40, 21.077, 314.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

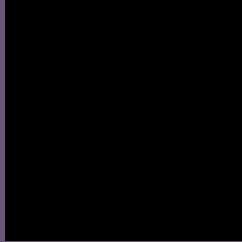
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.077, 314.419

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.077, 314.419.



This preview shows how white text looks on a background with the CIELCh color 40, 21.077, 314.419.

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, 21.077, 314.419

Protanopia

40, 18.993, 285.417

Deuteranopia

40, 15.239, 291.053



Tritanopia
40, 6.942, 342.556

Trichromacy



Original Color
40, 21.077, 314.419

Protanomaly
40, 18.992, 296.351

Deuteranomaly
40, 16.690, 300.479

Tritanomaly
40, 11.553, 323.464

Monochromacy



Original Color
40, 21.077, 314.419

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 8.036, 315.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.077, 314.419 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(107, 87, 119)` looks like.

```
.text, #text, p{  
    color:rgb(107, 87, 119)  
}
```

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(107, 87, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 87, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.077, 314.419 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(107, 87, 119) }
```

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

```
.border{ border-color:rgb(107, 87, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 87, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 87, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 87, 119);  
box-shadow:4px 4px 4px 4px rgb(107, 87,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.077, 314.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 87, 119) }
```

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

```
.background{ background-color: rgb(107, 87,  
119) }
```

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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