

Converting Colors

CIELCh(40, 23.751, 312.801)

Have a look what the booklet for
CIELCh(40, 23.751, 312.801)
contains.

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Color

CIELCh(40, 24.034, 312.692)

Conversions

Conversions Part 1

Format	Color
Hex	6B567B
RGB	107, 86, 123
RGB Percent	42%, 34%, 48%
CMY	0.5797, 0.6621, 0.5170
CMYK	0.13, 0.30, 0.00, 0.52
HSL	274°, 18%, 41%
HSV	274°, 30%, 48%
XYZ	13.0092, 11.2510, 20.2797
YIQ	96.4970, 0.6390, 15.9590

Conversions

Conversions Part 2

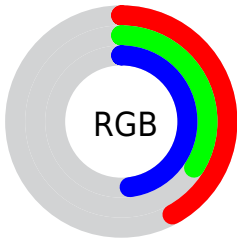
Format	Color
R_{YB}	107, 86, 123
Decimal	7034491
CIE _{Lab}	40.00, 16.30, -17.67
CIE _{LCh}	40, 24.034, 312.692
Yxy	11.2510, 0.2921, 0.2526
Android (android.graphics.Color)	4285224571 (0xFF6B567B)
YUV	96.4970, 13.0660, 9.2111
Hunter-Lab	33.5425, 10.5303, -12.3669

Details

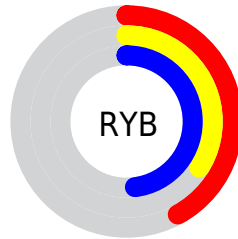
The CIELCh color **40, 24.034, 312.692** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49, 23.237, 130.089**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 24.210, 312.632**, and **20, 24.328, 313.013** is the 20% darker color. If you saturate the color by 10%, you get **36, 32.282, 313.156**, and if you desaturate by 10%, it is **44, 15.867, 312.233**.

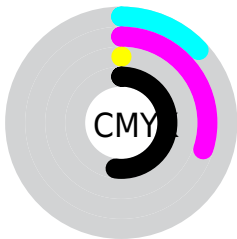
Distribution



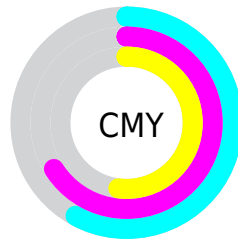
- Red (42%)
- Green (34%)
- Blue (48%)



- Red (42%)
- Yellow (34%)
- Blue (48%)



- Cyan (13%)
- Magenta (30%)
- Yellow (0%)
- Black (52%)




- Cyan (58%)
- Magenta (66%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.034, 312.692 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, 24.034, 312.692 by changing the saturation by 10% instead.


 40, 24.034,
312.692


 40, 24.034,
312.692


 100, 24.034,
312.692


 30, 24.034,
312.692

 60, 24.034,
312.692


 20, 24.034,
312.692

 70, 24.034,
312.692

 10, 24.034,
312.692

 80, 24.034,
312.692

 0, 24.034, 312.692

 90, 24.034,
312.692

 40, 24.034,

 40, 24.034,

312.692

36, 32.282,
313.156

33, 40.491,
313.602

29, 48.460,
313.994

26, 55.892,
314.278

23, 62.378,
314.382

21, 67.449,
314.221

19, 71.536,
313.932

312.692

44, 15.867,
312.233

48, 7.857, 311.791

52, 0.043, 309.089

56, 7.559, 131.038

60, 14.943,
130.695

63, 22.109,
130.390

67, 29.065,
130.120

71, 35.820,
129.881

75, 42.381,

Harmonies

Complementary

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



40, 24.034, 312.692



49, 23.237, 130.089

Rectangle

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



40, 24.034, 312.692



40, 24.034, 2.692



40, 24.034, 132.692



40, 24.034, 182.692

Sweetspot

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



40, 24.033, 312.692



62, 8.739, 311.755



43, 13.717, 266.818



32, 6.129, 311.809



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 24.033, 312.692



49, 35.990, 313.010



42, 25.362, 327.911



24, 4.377, 311.748



19, 72.288, 313.915



43, 122.269, 313.329

Inverse Universe

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



41, 18.229, 350.318



50, 27.227, 351.143



48, 25.349, 144.255



24, 3.323, 348.173



26, 49.771, 6.718



54, 83.914, 9.585

Previews

White Background



This preview shows how the CIELCh color 40, 24.034, 312.692 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, 24.034, 312.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

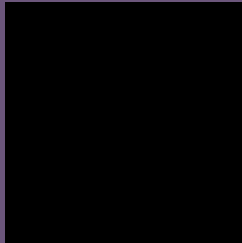
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.034, 312.692

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.034, 312.692.



This preview shows how white text looks on a background with the CIELCh color 40, 24.034, 312.692.

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, 24.034, 312.692

Protanopia

40, 21.461, 284.936

Deuteranopia

40, 17.701, 288.089



Tritanopia
40, 6.615, 340.230

Trichromacy



Original Color
40, 24.034, 312.692

Protanomaly
40, 21.382, 294.323

Deuteranomaly
40, 19.055, 298.585

Tritanomaly
40, 12.805, 322.150

Monochromacy



Original Color
40, 24.034, 312.692

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 9.155, 312.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.034, 312.692 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, 86, 123)` looks like.

```
.text, #text, p{  
    color:rgb(107, 86, 123)  
}
```

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, 86, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 86, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.034, 312.692 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, 86, 123) }
```

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

```
.border{ border-color:rgb(107, 86, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 86, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 86, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 86, 123);  
box-shadow:4px 4px 4px 4px rgb(107, 86,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.034, 312.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 86, 123) }
```

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

```
.background{ background-color: rgb(107, 86,  
123) }
```

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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