

Converting Colors

CIELCh(40, 12.946, 326.743)

Have a look what the booklet for
CIELCh(40, 12.946, 326.743)
contains.

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Color

CIELCh(40, 12.741, 326.845)

Conversions

Conversions Part 1

Format	Color
Hex	6B596A
RGB	107, 89, 106
RGB Percent	42%, 35%, 42%
CMY	0.5814, 0.6519, 0.5853
CMYK	0.00, 0.17, 0.01, 0.58
HSL	303°, 9%, 38%
HSV	303°, 17%, 42%
XYZ	12.1750, 11.2510, 15.0988
YIQ	96.3200, 5.2710, 9.1030

Conversions

Conversions Part 2

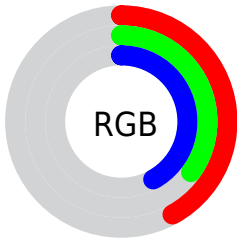
Format	Color
R_{YB}	107, 89, 106
Decimal	7035242
CIE _{Lab}	40.00, 10.67, -6.97
CIE _{LCh}	40, 12.741, 326.845
Yxy	11.2510, 0.3160, 0.2920
Android (android.graphics.Color)	4285225322 (0xFF6B596A)
YUV	96.3200, 4.7722, 9.3664
Hunter-Lab	33.5425, 6.0911, -3.2090

Details

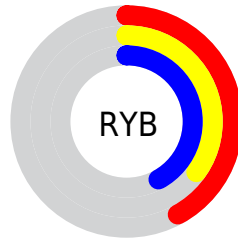
The CIELCh color $[40, 12.741, 326.845]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[43, 12.723, 144.973]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 12.538, 326.525]$, and $[20, 13.025, 325.709]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 20.323, 327.383]$, and if you desaturate by 10%, it is $[43, 5.155, 326.293]$.

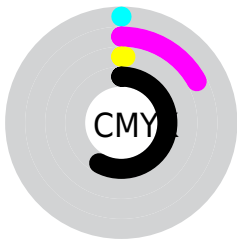
Distribution



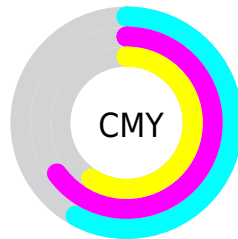
- Red (42%)
- Green (35%)
- Blue (42%)



- Red (42%)
- Yellow (35%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (1%)
- Black (58%)




- Cyan (58%)
- Magenta (65%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.741, 326.845 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, 12.741, 326.845 by changing the saturation by 10% instead.

 40, 12.741,
326.845


 40, 12.741,
326.845


 100, 12.741,
326.845


 30, 12.741,
326.845

 60, 12.741,
326.845


 20, 12.741,
326.845


 70, 12.741,
326.845


 10, 12.741,
326.845

 80, 12.741,
326.845

 0, 12.741, 326.845

 90, 12.741,
326.845

 40, 12.741,

 40, 12.741,

326.845

37, 20.323,
327.383

34, 27.772,
327.909

32, 34.907,
328.416

30, 41.497,
328.892

28, 47.278,
329.329

26, 51.982,
329.719

25, 55.391,
330.058

24, 57.706,
330.357

326.845

43, 5.155, 326.293

46, 2.340, 145.875

49, 9.687, 145.309

52, 16.851,
144.809

56, 23.814,
144.334

59, 30.569,
143.883

62, 37.119,
143.457

65, 43.469,
143.056

69, 49.627,

■ 24, 58.428,
330.449

142.678

Harmonies

Complementary

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



40, 12.741, 326.845



43, 12.723, 144.973

Rectangle

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



40, 12.741, 326.845



40, 12.741, 16.845



40, 12.741, 146.845



40, 12.741, 196.845

Sweetspot

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



40, 12.740, 326.845



55, 4.631, 326.191



38, 11.077, 293.726



28, 3.137, 326.222



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 12.740, 326.845



50, 18.650, 327.044



40, 9.070, 347.845



21, 4.244, 326.413



27, 62.447, 330.474



57, 107.194, 330.614

Inverse Universe

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



40, 12.740, 326.845



50, 18.650, 327.044



43, 8.845, 165.048



21, 4.244, 326.413



27, 62.447, 330.474



57, 107.194, 330.614

Previews

White Background



This preview shows how the CIELCh color 40, 12.741, 326.845 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 CIE LCh color 40, 12.741, 326.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

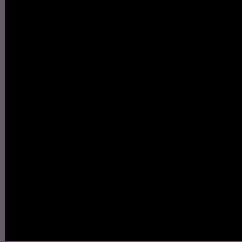
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.741, 326.845

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.741, 326.845.



This preview shows how white text looks on a background with the CIELCh color 40, 12.741, 326.845.

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, 12.741, 326.845

Protanopia

40, 9.159, 286.665

Deuteranopia

40, 8.462, 310.900



Tritanopia
40, 7.998, 348.418

Trichromacy



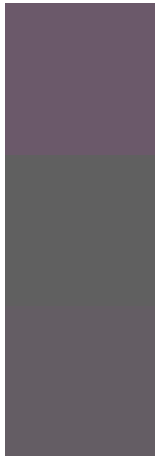
Original Color
40, 12.741, 326.845

Protanomaly
40, 10.004, 303.105

Deuteranomaly
40, 9.687, 318.918

Tritanomaly
40, 9.060, 338.526

Monochromacy



Original Color
40, 12.741, 326.845

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 5.183, 324.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.741, 326.845 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, 89, 106)` looks like.

```
.text, #text, p{  
    color:rgb(107, 89, 106)  
}
```

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, 89, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 89, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.741, 326.845 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, 89, 106) }
```

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

```
.border{ border-color:rgb(107, 89, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 89, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 89, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 89, 106);  
box-shadow:4px 4px 4px 4px rgb(107, 89,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.741, 326.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 89, 106) }
```

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

```
.background{ background-color: rgb(107, 89,  
106) }
```

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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