

Converting Colors

CIELCh(40, 12.187, 337.877)

Have a look what the booklet for
CIELCh(40, 12.187, 337.877)
contains.

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Color

CIELCh(40, 12.213, 336.968)

Conversions

Conversions Part 1

Format	Color
Hex	6D5866
RGB	109, 88, 102
RGB Percent	43%, 35%, 40%
CMY	0.5716, 0.6539, 0.5990
CMYK	0.00, 0.19, 0.06, 0.57
HSL	320°, 11%, 39%
HSV	320°, 19%, 43%
XYZ	12.2582, 11.2510, 14.1607
YIQ	95.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

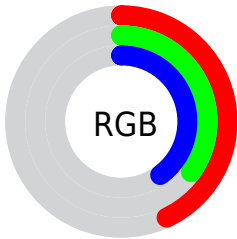
Format	Color
R_{YB}	109, 88, 102
Decimal	7166054
CIE _{Lab}	40.00, 11.24, -4.78
CIE _{LCh}	40, 12.213, 336.968
Yxy	11.2510, 0.3254, 0.2987
Android (android.graphics.Color)	4285356134 (0xFF6D5866)
YUV	95.8750, 3.0196, 11.5106
Hunter-Lab	33.5425, 6.5338, -1.5508

Details

The CIELCh color $40, 12.213, 336.968$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 12.097, 154.295$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 12.307, 337.280$, and $20, 12.379, 336.899$ is the 20% darker color. If you saturate the color by 10%, you get $37, 18.613, 337.731$, and if you desaturate by 10%, it is $43, 5.822, 336.244$.

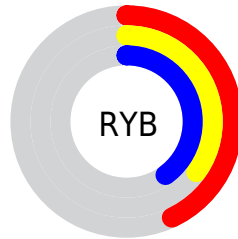
Distribution



Red (43%)

Green (35%)

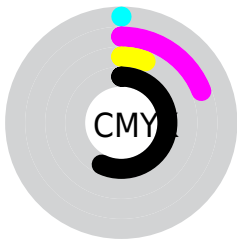
Blue (40%)



Red (43%)

Yellow (35%)

Blue (40%)

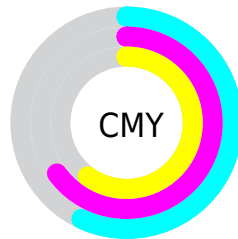


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (57%)



Cyan (57%)


Magenta (65%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.213, 336.968 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, 12.213, 336.968 by changing the saturation by 10% instead.

 40, 12.213,
336.968


 40, 12.213,
336.968

 100, 12.213,
336.968


 30, 12.213,
336.968

 60, 12.213,
336.968


 20, 12.213,
336.968

 70, 12.213,
336.968


 10, 12.213,
336.968

 80, 12.213,
336.968

 0, 12.213, 336.968

 90, 12.213,
336.968

 40, 12.213,

 40, 12.213,

336.968

37, 18.613,
337.731

34, 24.905,
338.549

31, 30.917,
339.439

29, 36.420,
340.426

27, 41.145,
341.543

25, 44.810,
342.841

24, 47.192,
344.387

23, 48.767,
346.098

336.968

43, 5.822, 336.244

46, 0.477, 156.092

50, 6.637, 155.033

53, 12.632,
154.432

56, 18.450,
153.876

60, 24.092,
153.354

63, 29.559,
152.864

66, 34.862,
152.402

70, 40.009,

■ 23, 48.896,
346.227

151.967

Harmonies

Complementary

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



40, 12.213, 336.968



44, 12.097, 154.295

Rectangle

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



40, 12.213, 336.968



40, 12.213, 26.968



40, 12.213, 156.968



40, 12.213, 206.968

Sweetspot

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



40, 12.211, 336.969



57, 4.704, 336.018



39, 13.238, 304.124



29, 3.099, 336.051



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 12.211, 336.969



50, 18.228, 337.299



40, 9.318, 7.580



21, 3.487, 336.223



25, 51.355, 346.417



54, 87.396, 347.882

Inverse Universe

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



40, 12.211, 336.969



50, 18.228, 337.299



44, 8.599, 184.277



21, 3.487, 336.223



25, 51.355, 346.417



54, 87.396, 347.882

Previews

White Background



This preview shows how the CIELCh color 40, 12.213, 336.968 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, 12.213, 336.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

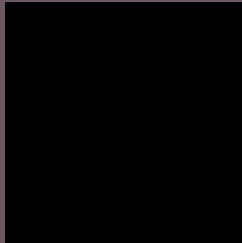
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.213, 336.968

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.213, 336.968.



This preview shows how white text looks on a background with the CIELCh color 40, 12.213, 336.968.

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, 12.213, 336.968

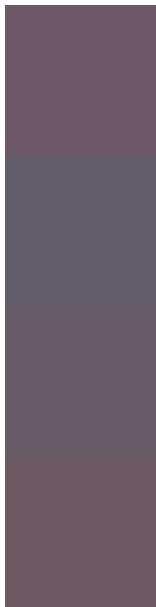
Protanopia
40, 7.318, 288.181

Deuteranopia
40, 6.962, 319.198



Tritanopia
40, 9.126, 352.974

Trichromacy



Original Color
40, 12.213, 336.968

Protanomaly
40, 8.462, 310.900

Deuteranomaly
40, 8.370, 327.377

Tritanomaly
40, 9.710, 346.542

Monochromacy



Original Color
40, 12.213, 336.968

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 4.542, 337.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.213, 336.968 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(109, 88, 102)` looks like.

```
.text, #text, p{  
    color:rgb(109, 88, 102)  
}
```

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(109, 88, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 88, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.213, 336.968 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(109, 88, 102) }
```

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

```
.border{ border-color:rgb(109, 88, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 88, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 88, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 88, 102);  
box-shadow:4px 4px 4px 4px rgb(109, 88,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.213, 336.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 88, 102) }
```

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

```
.background{ background-color: rgb(109, 88,  
102) }
```

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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