

Converting Colors

CIELCh(41, 12.345, 309.807)

Have a look what the booklet for
CIELCh(41, 12.345, 309.807)
contains.

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Color

CIELCh(41, 12.268, 310.698)

Conversions

Conversions Part 1

Format	Color
Hex	675D70
RGB	103, 93, 112
RGB Percent	40%, 36%, 44%
CMY	0.5963, 0.6356, 0.5611
CMYK	0.08, 0.17, 0.00, 0.56
HSL	272°, 9%, 40%
HSV	272°, 17%, 44%
XYZ	12.4147, 11.8645, 16.9445
YIQ	98.1560, -0.1390, 8.0290

Conversions

Conversions Part 2

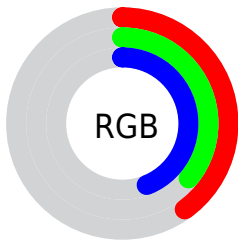
Format	Color
R_YB	103, 93, 112
Decimal	6774128
CIE Lab	41.00, 8.00, -9.30
CIE LCh	41, 12.268, 310.698
Yxy	11.8645, 0.3012, 0.2878
Android (android.graphics.Color)	4284964208 (0xFF675D70)
YUV	98.1560, 6.8251, 4.2482
Hunter-Lab	34.4449, 4.0564, -5.0550

Details

The CIELCh color $41, 12.268, 310.698$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.016, 129.274$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 12.589, 310.445$, and $21, 12.200, 311.155$ is the 20% darker color. If you saturate the color by 10%, you get $37, 19.729, 311.168$, and if you desaturate by 10%, it is $45, 4.975, 310.249$.

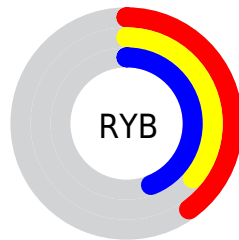
Distribution



Red (40%)

Green (36%)

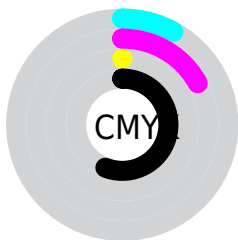
Blue (44%)



Red (40%)

Yellow (36%)

Blue (44%)

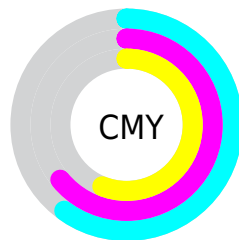


Cyan (8%)

Magenta (17%)

Yellow (0%)

Black (56%)



Cyan (60%)

Magenta (64%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 12.268, 310.698 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 41, 12.268, 310.698 by changing the saturation by 10% instead.

 41, 12.268,
310.698


 41, 12.268,
310.698

 100, 12.268,
310.698


 31, 12.268,
310.698

 61, 12.268,
310.698


 21, 12.268,
310.698

 71, 12.268,
310.698


 11, 12.268,
310.698


 81, 12.268,
310.698

 1, 12.268, 310.698

 91, 12.268,
310.698

 0, 12.268, 310.698

 41, 12.268,

 41, 12.268,

310.698

37, 19.729,
311.168

34, 27.315,
311.656

30, 34.941,
312.144

27, 42.463,
312.602

24, 49.653,
312.982

21, 56.177,
313.218

19, 61.606,
313.225

17, 65.924,
313.031

310.698

45, 4.975, 310.249

48, 2.123, 129.903

52, 9.018, 129.509

56, 15.711,
129.178

59, 22.206,
128.885

63, 28.510,
128.627

67, 34.633,
128.401

70, 40.584,
128.203

74, 46.372,

■ 16, 67.313,
313.021

128.031

Harmonies

Complementary

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



41, 12.268, 310.698



46, 12.016, 129.274

Rectangle

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



41, 12.268, 310.698



41, 12.268, 0.698



41, 12.268, 130.698



41, 12.268, 180.698

Sweetspot

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



41, 12.267, 310.697



58, 4.412, 310.166



43, 6.824, 259.474



30, 3.035, 310.191



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 12.267, 310.697



51, 17.988, 310.861



42, 13.697, 325.761



22, 4.032, 310.339



18, 70.729, 312.937



40, 121.474, 312.307

Inverse Universe

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



42, 9.641, 346.488



52, 14.125, 346.825



45, 13.683, 143.894



22, 3.172, 345.764



25, 48.441, 2.657



53, 82.517, 5.437

Previews

White Background



This preview shows how the CIELCh color 41, 12.268, 310.698 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 41, 12.268, 310.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

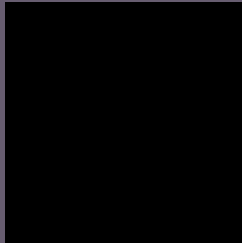
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 12.268, 310.698

Background



This preview shows how black text looks on a background with the CIELCh color 41, 12.268, 310.698.



This preview shows how white text looks on a background with the CIELCh color 41, 12.268, 310.698.

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


41, 12.268, 310.698

Protanopia

41, 10.963, 285.772

Deuteranopia

41, 11.158, 301.941



Tritanopia
41, 4.943, 320.761

Trichromacy



Original Color
41, 12.268, 310.698

Protanomaly
41, 10.982, 295.874

Deuteranomaly
41, 11.237, 303.932

Tritanomaly
41, 8.021, 315.099

Monochromacy



Original Color
41, 12.268, 310.698

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 4.574, 311.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 12.268, 310.698 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(103, 93, 112)` looks like.

```
.text, #text, p{  
    color:rgb(103, 93, 112)  
}
```

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(103, 93, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 93, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 12.268, 310.698 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(103, 93, 112) }
```

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

```
.border{ border-color:rgb(103, 93, 112) }
```

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

Here you see how a box with a 4 pixel rgb(103, 93, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 93, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 93, 112);  
box-shadow:4px 4px 4px 4px rgb(103, 93,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 12.268, 310.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 93, 112) }
```

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

```
.background{ background-color: rgb(103, 93,  
112) }
```

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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