

Converting Colors

CIELCh(42, 13.797, 339.585)

Have a look what the booklet for
CIELCh(42, 13.797, 339.585)
contains.

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Color

CIELCh(42, 13.728, 340.221)

Conversions

Conversions Part 1

Format	Color
Hex	755C6B
RGB	117, 92, 107
RGB Percent	46%, 36%, 42%
CMY	0.5411, 0.6392, 0.5804
CMYK	0.00, 0.21, 0.09, 0.54
HSL	324°, 12%, 41%
HSV	324°, 21%, 46%
XYZ	13.8194, 12.5000, 15.5966
YIQ	101.1850, 10.0850, 9.9650

Conversions

Conversions Part 2

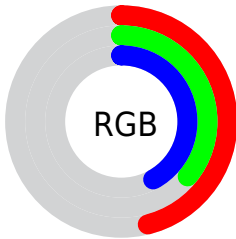
Format	Color
R_{YB}	117, 92, 107
Decimal	7691371
CIE Lab	42.00, 12.92, -4.65
CIE LCh	42, 13.728, 340.221
Yxy	12.5000, 0.3297, 0.2982
Android (android.graphics.Color)	4285881451 (0xFF755C6B)
YUV	101.1850, 2.8668, 13.8698
Hunter-Lab	35.3553, 7.8989, -1.4064

Details

The CIELCh color $[42, 13.728, 340.221]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[47, 13.520, 156.985]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 13.755, 340.185]$, and $[22, 13.631, 339.206]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 20.210, 341.085]$, and if you desaturate by 10%, it is $[45, 7.249, 339.421]$.

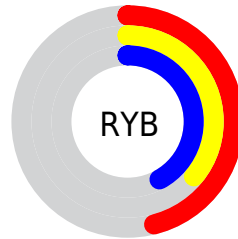
Distribution



Red (46%)

Green (36%)

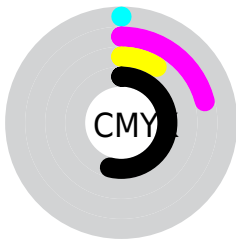
Blue (42%)



Red (46%)

Yellow (36%)

Blue (42%)

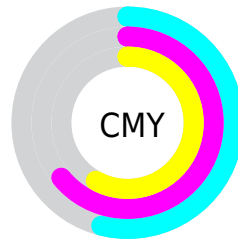


Cyan (0%)

Magenta (21%)

Yellow (9%)

Black (54%)



Cyan (54%)


Magenta (64%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.728, 340.221 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 42, 13.728, 340.221 by changing the saturation by 10% instead.


 42, 13.728,
340.221


 42, 13.728,
340.221


 100, 13.728,
340.221


 32, 13.728,
340.221

 62, 13.728,
340.221


 22, 13.728,
340.221

 72, 13.728,
340.221

 12, 13.728,
340.221


 82, 13.728,
340.221

 2, 13.728, 340.221

 92, 13.728,
340.221

 0, 13.728, 340.221

 42, 13.728,

 42, 13.728,

340.221

340.221

39, 20.210,
341.085

45, 7.249, 339.421

36, 26.566,
342.035

49, 0.865, 338.441

33, 32.602,
343.098

52, 5.373, 158.103

30, 38.069,
344.316

56, 11.436,
157.450

28, 42.672,
345.745

59, 17.312,
156.856

26, 46.122,
347.465

63, 23.002,
156.303

25, 48.217,
349.575

66, 28.510,
155.785

24, 49.509,
351.560

70, 33.844,
155.300

74, 39.017,

Harmonies

Complementary

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



42, 13.728, 340.221



47, 13.520, 156.985

Rectangle

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



42, 13.728, 340.221



42, 13.728, 30.221



42, 13.728, 160.221



42, 13.728, 210.221

Sweetspot

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



42, 13.726, 340.223



61, 4.745, 339.007



41, 15.764, 306.593



31, 3.130, 339.045



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 13.726, 340.223



52, 20.855, 340.671



42, 10.904, 13.011



23, 3.590, 339.238



26, 51.087, 351.714



55, 85.784, 353.548

Inverse Universe

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



42, 13.726, 340.223



52, 20.855, 340.671



47, 9.787, 189.611



23, 3.590, 339.238



26, 51.087, 351.714



55, 85.784, 353.548

Previews

White Background



This preview shows how the CIELCh color 42, 13.728, 340.221 looks on a white background.

Color Contrast Check

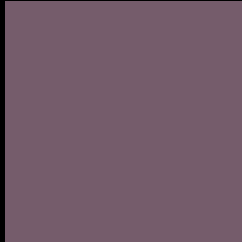
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 13.728, 340.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

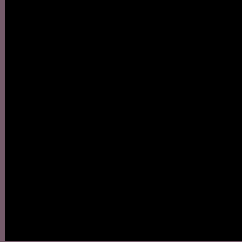
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 13.728, 340.221

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.728, 340.221.



This preview shows how white text looks on a background with the CIELCh color 42, 13.728, 340.221.

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


42, 13.728, 340.221

Protanopia

42, 7.253, 288.126

Deuteranopia

42, 7.338, 324.906



Tritanopia
42, 10.606, 357.544

Trichromacy



Original Color
42, 13.728, 340.221

Protanomaly
42, 9.257, 314.389

Deuteranomaly
42, 9.101, 333.808

Tritanomaly
42, 11.361, 349.059

Monochromacy



Original Color
42, 13.728, 340.221

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 4.819, 341.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.728, 340.221 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(117, 92, 107)` looks like.

```
.text, #text, p{  
    color:rgb(117, 92, 107)  
}
```

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(117, 92, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 92, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.728, 340.221 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(117, 92, 107) }
```

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

```
.border{ border-color:rgb(117, 92, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 92, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 92, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 92, 107);  
box-shadow:4px 4px 4px 4px rgb(117, 92,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.728, 340.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 92, 107) }
```

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

```
.background{ background-color: rgb(117, 92,  
107) }
```

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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