

Converting Colors

CIELCh(42, 12.717, 336.206)

Have a look what the booklet for
CIELCh(42, 12.717, 336.206)
contains.

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Color

CIELCh(42, 12.808, 336.310)

Conversions

Conversions Part 1

Format	Color
Hex	735D6C
RGB	115, 93, 108
RGB Percent	45%, 36%, 42%
CMY	0.5499, 0.6361, 0.5773
CMYK	0.00, 0.19, 0.06, 0.55
HSL	319°, 11%, 41%
HSV	319°, 19%, 45%
XYZ	13.6327, 12.5000, 15.8216
YIQ	101.2880, 8.2970, 9.3290

Conversions

Conversions Part 2

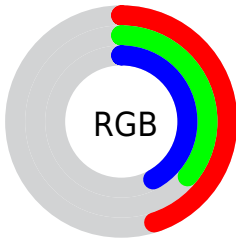
Format	Color
R_{YB}	115, 93, 108
Decimal	7560556
CIE Lab	42.00, 11.73, -5.15
CIE LCh	42, 12.808, 336.310
Yxy	12.5000, 0.3249, 0.2979
Android (android.graphics.Color)	4285750636 (0xFF735D6C)
YUV	101.2880, 3.3090, 12.0254
Hunter-Lab	35.3553, 6.9562, -1.7836

Details

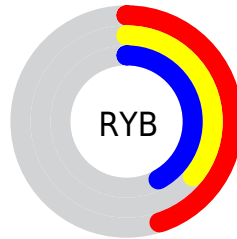
The CIELCh color $42, 12.808, 336.310$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.697, 153.670$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.888, 336.654$, and $22, 12.972, 336.163$ is the 20% darker color. If you saturate the color by 10%, you get $39, 19.539, 337.060$, and if you desaturate by 10%, it is $45, 6.082, 335.595$.

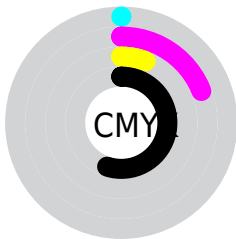
Distribution



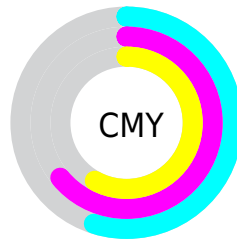
- Red (45%)
- Green (36%)
- Blue (42%)



- Red (45%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (19%)
- Yellow (6%)
- Black (55%)





- Cyan (55%)
- Magenta (64%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.808, 336.310 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, 12.808, 336.310 by changing the saturation by 10% instead.


 42, 12.808,
336.310


 42, 12.808,
336.310


 100, 12.808,
336.310


 32, 12.808,
336.310

 62, 12.808,
336.310


 22, 12.808,
336.310

 72, 12.808,
336.310

 12, 12.808,
336.310


 82, 12.808,
336.310

 2, 12.808, 336.310

 92, 12.808,
336.310

 0, 12.808, 336.310

 42, 12.808,

 42, 12.808,

336.310

39, 19.539,
337.060

36, 26.151,
337.862

33, 32.459,
338.730

31, 38.222,
339.686

28, 43.152,
340.762

27, 46.955,
342.005

25, 49.400,
343.477

24, 50.913,
345.123

336.310

45, 6.082, 335.595

49, 0.549, 155.396

52, 7.035, 154.394

56, 13.348,
153.798

59, 19.477,
153.245

62, 25.418,
152.725

66, 31.177,
152.237

69, 36.762,
151.777

73, 42.183,

■ 24, 51.047,
345.259

151.344

Harmonies

Complementary

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



42, 12.808, 336.310



46, 12.697, 153.670

Rectangle

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



42, 12.808, 336.310



42, 12.808, 26.310



42, 12.808, 156.310



42, 12.808, 206.310

Sweetspot

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



42, 12.806, 336.311



60, 4.963, 335.376



41, 13.707, 303.537



31, 3.319, 335.412



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, 12.806, 336.311



53, 19.224, 336.639



42, 9.709, 6.310



23, 3.805, 335.588



26, 53.379, 345.414



55, 89.561, 346.703

Inverse Universe

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



42, 12.806, 336.311



53, 19.224, 336.639



47, 8.992, 182.944



23, 3.805, 335.588



26, 53.379, 345.414



55, 89.561, 346.703

Previews

White Background



This preview shows how the CIELCh color 42, 12.808, 336.310 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, 12.808, 336.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

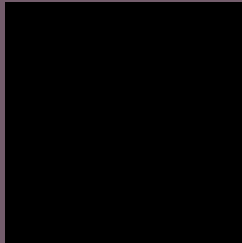
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.808, 336.310

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.808, 336.310.



This preview shows how white text looks on a background with the CIELCh color 42, 12.808, 336.310.

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, 12.808, 336.310

Protanopia
42, 7.278, 285.034

Deuteranopia
42, 7.636, 319.768



Tritanopia
42, 9.423, 354.190

Trichromacy



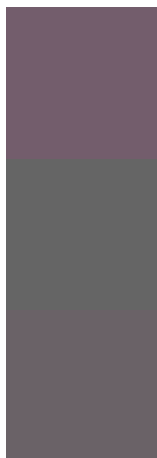
Original Color
42, 12.808, 336.310

Protanomaly
42, 8.259, 308.231

Deuteranomaly
42, 9.282, 329.313

Tritanomaly
42, 9.976, 347.923

Monochromacy



Original Color
42, 12.808, 336.310

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 4.502, 337.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.808, 336.310 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(115, 93, 108)` looks like.

```
.text, #text, p{  
    color:rgb(115, 93, 108)  
}
```

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(115, 93, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 93, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.808, 336.310 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(115, 93, 108) }
```

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

```
.border{ border-color:rgb(115, 93, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 93, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 93, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 93, 108);  
box-shadow:4px 4px 4px 4px rgb(115, 93,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.808, 336.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 93, 108) }
```

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

```
.background{ background-color: rgb(115, 93,  
108) }
```

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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