

Converting Colors

CIELCh(42, 12.588, 340.106)

Have a look what the booklet for
CIELCh(42, 12.588, 340.106)
contains.

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Color

CIELCh(42, 12.344, 341.817)

Conversions

Conversions Part 1

Format	Color
Hex	745D6A
RGB	116, 93, 106
RGB Percent	45%, 36%, 42%
CMY	0.5464, 0.6365, 0.5855
CMYK	0.00, 0.20, 0.09, 0.55
HSL	326°, 11%, 41%
HSV	326°, 20%, 45%
XYZ	13.6325, 12.5000, 15.2445
YIQ	101.3590, 9.5350, 8.9190

Conversions

Conversions Part 2

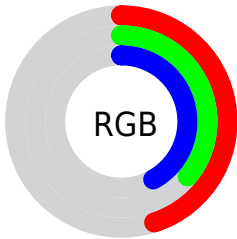
Format	Color
R _Y B	116, 93, 106
Decimal	7626090
CIE Lab	42.00, 11.73, -3.85
CIE LCh	42, 12.344, 341.817
Yxy	12.5000, 0.3295, 0.3021
Android (android.graphics.Color)	4285816170 (0xFF745D6A)
YUV	101.3590, 2.2880, 12.8402
Hunter-Lab	35.3553, 6.9554, -0.8160

Details

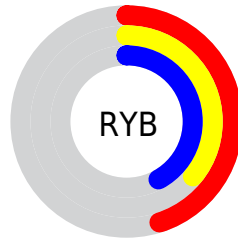
The CIELCh color $42, 12.344, 341.817$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 12.133, 158.740$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.458, 341.707$, and $22, 12.462, 342.285$ is the 20% darker color. If you saturate the color by 10%, you get $39, 18.639, 342.714$, and if you desaturate by 10%, it is $45, 6.079, 340.989$.

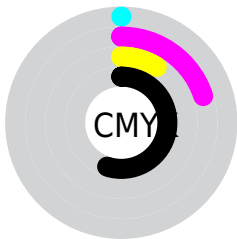
Distribution



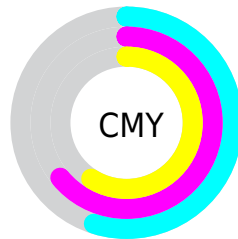
- Red (45%)
- Green (36%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (20%)
- Yellow (9%)
- Black (55%)





- Cyan (55%)
- Magenta (64%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.344, 341.817 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, 12.344, 341.817 by changing the saturation by 10% instead.


 42, 12.344,
341.817


 42, 12.344,
341.817


 100, 12.344,
341.817


 32, 12.344,
341.817

 62, 12.344,
341.817


 22, 12.344,
341.817

 72, 12.344,
341.817

 12, 12.344,
341.817


 82, 12.344,
341.817

 2, 12.344, 341.817

 92, 12.344,
341.817

 0, 12.344, 341.817

 42, 12.344,

 42, 12.344,

341.817

39, 18.639,
342.714

36, 24.847,
343.705

33, 30.791,
344.825

30, 36.237,
346.118

28, 40.902,
347.646

26, 44.500,
349.499

25, 46.815,
351.786

24, 48.379,
354.360

341.817

45, 6.079, 340.989

49, 0.075, 163.704

52, 6.074, 159.645

56, 11.896,
158.987

59, 17.532,
158.386

63, 22.983,
157.828

66, 28.257,
157.307

70, 33.363,
156.820

73, 38.313,

■ 24, 48.401,
354.393

156.363

Harmonies

Complementary

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



42, 12.344, 341.817



47, 12.133, 158.740

Rectangle

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



42, 12.344, 341.817



42, 12.344, 31.817



42, 12.344, 161.817



42, 12.344, 211.817

Sweetspot

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



42, 12.342, 341.819



60, 4.567, 340.680



41, 14.567, 307.662



31, 3.054, 340.721



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, 12.342, 341.819



52, 18.541, 342.233



42, 9.977, 15.472



23, 3.504, 340.922



26, 50.347, 354.613



54, 84.643, 356.691

Inverse Universe

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



42, 12.342, 341.819



52, 18.541, 342.233



47, 8.957, 192.587



23, 3.504, 340.922



26, 50.347, 354.613



54, 84.643, 356.691

Previews

White Background



This preview shows how the CIELCh color 42, 12.344, 341.817 looks on a white background.

Color Contrast Check

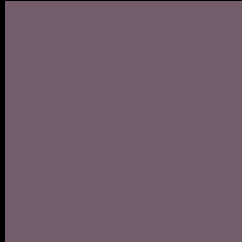
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 12.344, 341.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

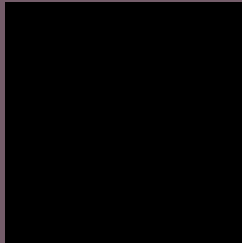
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 12.344, 341.817

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.344, 341.817.



This preview shows how white text looks on a background with the CIELCh color 42, 12.344, 341.817.

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, 12.344, 341.817

Protanopia

42, 6.048, 287.299

Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 9.807, 355.383

Trichromacy



Original Color
42, 12.344, 341.817

Protanomaly
42, 7.266, 314.070

Deuteranomaly
42, 8.680, 336.559

Tritanomaly
42, 10.333, 349.276

Monochromacy



Original Color
42, 12.344, 341.817

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, 12.344, 341.817 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(116, 93, 106)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 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(116, 93, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.344, 341.817 is called "border". The border property can be set on classes, ids or directly on the HTML element.

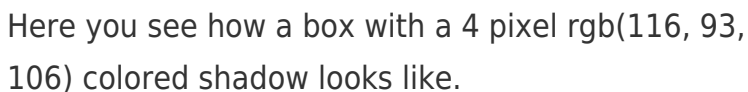
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 93, 106) }
```

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

```
.border{ border-color:rgb(116, 93, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 93, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 93, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 93, 106); box-shadow:4px 4px 4px 4px rgb(116, 93, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.344, 341.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 106) }
```

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

```
.background{ background-color: rgb(116, 93,  
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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