

Converting Colors

CIELCh(42, 13.226, 332.867)

Have a look what the booklet for
CIELCh(42, 13.226, 332.867)
contains.

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Color

CIELCh(42, 12.950, 333.024)

Conversions

Conversions Part 1

Format	Color
Hex	725D6D
RGB	114, 93, 109
RGB Percent	45%, 36%, 43%
CMY	0.5531, 0.6354, 0.5727
CMYK	0.00, 0.18, 0.04, 0.55
HSL	314°, 10%, 41%
HSV	314°, 18%, 45%
XYZ	13.6034, 12.5000, 16.1526
YIQ	101.1030, 7.3800, 9.4280

Conversions

Conversions Part 2

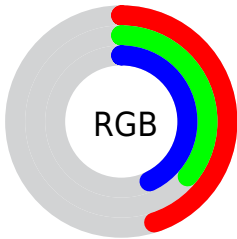
Format	Color
R_{YB}	114, 93, 109
Decimal	7495021
CIE Lab	42.00, 11.54, -5.87
CIE LCh	42, 12.950, 333.024
Yxy	12.5000, 0.3219, 0.2958
Android (android.graphics.Color)	4285685101 (0xFF725D6D)
YUV	101.1030, 3.8932, 11.3107
Hunter-Lab	35.3553, 6.8083, -2.3388

Details

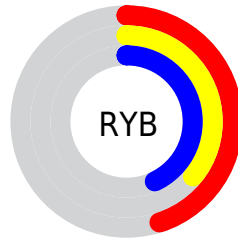
The CIELCh color $42, 12.950, 333.024$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.885, 150.673$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 13.011, 333.632$, and $22, 13.144, 332.525$ is the 20% darker color. If you saturate the color by 10%, you get $39, 20.011, 333.691$, and if you desaturate by 10%, it is $45, 5.887, 332.373$.

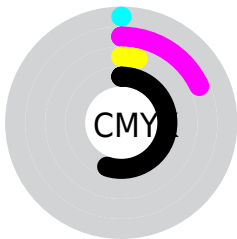
Distribution



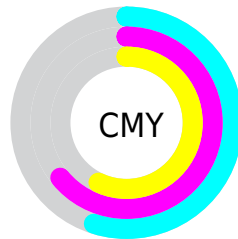
- Red (45%)
- Green (36%)
- Blue (43%)



- Red (45%)
- Yellow (36%)
- Blue (43%)



- Cyan (0%)
- Magenta (18%)
- Yellow (4%)
- Black (55%)




- Cyan (55%)
- Magenta (64%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.950, 333.024 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, 12.950, 333.024 by changing the saturation by 10% instead.


 42, 12.950,
333.024


 42, 12.950,
333.024


 100, 12.950,
333.024


 32, 12.950,
333.024

 62, 12.950,
333.024


 22, 12.950,
333.024

 72, 12.950,
333.024


 12, 12.950,
333.024


 82, 12.950,
333.024

 2, 12.950, 333.024

 92, 12.950,
333.024

 0, 12.950, 333.024

 42, 12.950,

 42, 12.950,

333.024

39, 20.011,
333.691

36, 26.942,
334.385

33, 33.556,
335.111

31, 39.611,
335.880

29, 44.820,
336.705

27, 48.890,
337.609

26, 51.587,
338.629

25, 53.242,
339.746

333.024

45, 5.887, 332.373

49, 1.085, 152.001

52, 7.913, 151.257

55, 14.567,
150.698

59, 21.031,
150.174

62, 27.304,
149.679

66, 33.387,
149.212

69, 39.289,
148.771

73, 45.020,

■ 25, 53.509,
339.918

148.356

Harmonies

Complementary

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



42, 12.950, 333.024



46, 12.885, 150.673

Rectangle

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



42, 12.950, 333.024



42, 12.950, 23.024



42, 12.950, 153.024



42, 12.950, 203.024

Sweetspot

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



42, 12.948, 333.025



59, 5.184, 332.221



41, 12.968, 300.514



30, 3.417, 332.252



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 12.948, 333.025



52, 19.169, 333.298



42, 9.531, 0.049



22, 3.882, 332.410



26, 55.421, 339.998



56, 93.771, 340.855

Inverse Universe

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



42, 12.948, 333.025



52, 19.169, 333.298



46, 9.007, 176.701



22, 3.882, 332.410



26, 55.421, 339.998



56, 93.771, 340.855

Previews

White Background



This preview shows how the CIELCh color 42, 12.950, 333.024 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, 12.950, 333.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

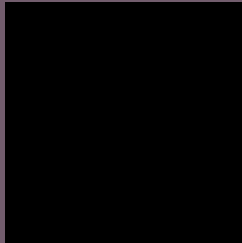
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.950, 333.024

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.950, 333.024.



This preview shows how white text looks on a background with the CIELCh color 42, 12.950, 333.024.

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, 12.950, 333.024

Protanopia

42, 7.877, 285.619

Deuteranopia

42, 8.167, 317.727



Tritanopia
42, 9.319, 349.587

Trichromacy



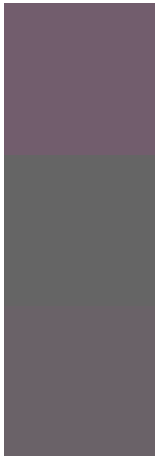
Original Color
42, 12.950, 333.024

Protanomaly
42, 8.837, 307.116

Deuteranomaly
42, 9.521, 325.046

Tritanomaly
42, 10.318, 340.872

Monochromacy



Original Color
42, 12.950, 333.024

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 4.924, 332.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.950, 333.024 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(114, 93, 109)` looks like.

```
.text, #text, p{  
    color:rgb(114, 93, 109)  
}
```

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(114, 93, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 93, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.950, 333.024 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(114, 93, 109) }
```

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

```
.border{ border-color:rgb(114, 93, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 93, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 93, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 93, 109); box-shadow:4px 4px 4px 4px rgb(114, 93, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.950, 333.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 93, 109) }
```

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

```
.background{ background-color: rgb(114, 93,  
109) }
```

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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