

Converting Colors

CIELCh(42, 14.542, 333.616)

Have a look what the booklet for
CIELCh(42, 14.542, 333.616)
contains.

CIELCh(42, 14.644, 333.635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 14.644, 333.635)

Conversions

Conversions Part 1

Format	Color
Hex	745C6E
RGB	116, 92, 110
RGB Percent	45%, 36%, 43%
CMY	0.5450, 0.6391, 0.5685
CMYK	0.00, 0.21, 0.05, 0.54
HSL	315°, 12%, 41%
HSV	315°, 21%, 46%
XYZ	13.8514, 12.5000, 16.4421
YIQ	101.2280, 8.5260, 10.6860

Conversions

Conversions Part 2

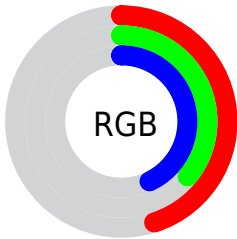
Format	Color
R_{YB}	116, 92, 110
Decimal	7625838
CIE _{Lab}	42.00, 13.12, -6.50
CIE _{LCh}	42, 14.644, 333.635
Yxy	12.5000, 0.3237, 0.2921
Android (android.graphics.Color)	4285815918 (0xFF745C6E)
YUV	101.2280, 4.3246, 12.9550
Hunter-Lab	35.3553, 8.0603, -2.8243

Details

The CIELCh color $42, 14.644, 333.635$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 14.558, 150.925$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 15.006, 332.593$, and $22, 14.502, 335.196$ is the 20% darker color. If you saturate the color by 10%, you get $39, 21.736, 334.321$, and if you desaturate by 10%, it is $45, 7.525, 332.973$.

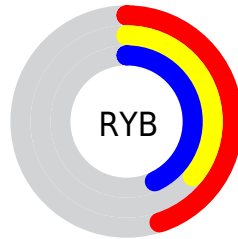
Distribution



Red (45%)

Green (36%)

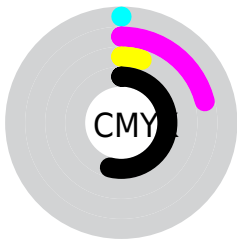
Blue (43%)



Red (45%)

Yellow (36%)

Blue (43%)

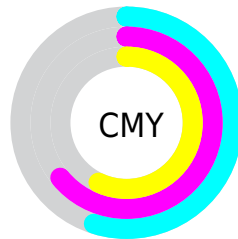


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (54%)



Cyan (55%)


Magenta (64%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 14.644, 333.635 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, 14.644, 333.635 by changing the saturation by 10% instead.


 42, 14.644,
333.635


 42, 14.644,
333.635


 100, 14.644,
333.635


 32, 14.644,
333.635

 62, 14.644,
333.635


 22, 14.644,
333.635

 72, 14.644,
333.635

 12, 14.644,
333.635

 82, 14.644,
333.635

 2, 14.644, 333.635

 92, 14.644,
333.635

 0, 14.644, 333.635

 42, 14.644,

 42, 14.644,

333.635

39, 21.736,
334.321

36, 28.662,
335.038

33, 35.217,
335.795

31, 41.143,
336.603

29, 46.142,
337.481

27, 49.924,
338.460

26, 52.274,
339.579

25, 53.741,
340.694

333.635

45, 7.525, 332.973

49, 0.483, 331.934

52, 6.423, 151.830

55, 13.157,
151.253

59, 19.702,
150.717

62, 26.052,
150.212

66, 32.210,
149.736

70, 38.184,
149.286

73, 43.982,

Harmonies

Complementary

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



42, 14.644, 333.635



47, 14.558, 150.925

Rectangle

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



42, 14.644, 333.635



42, 14.644, 23.635



42, 14.644, 153.635



42, 14.644, 203.635

Sweetspot

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



42, 14.642, 333.636



60, 5.212, 332.668



40, 14.860, 301.283



31, 3.485, 332.701



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, 14.642, 333.636



52, 21.917, 333.971



42, 10.840, 1.515



23, 3.995, 332.865



27, 55.783, 340.783



56, 93.693, 341.678

Inverse Universe

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



42, 14.642, 333.636



52, 21.917, 333.971



47, 10.131, 177.697



23, 3.995, 332.865



27, 55.783, 340.783



56, 93.693, 341.678

Previews

White Background



This preview shows how the CIELCh color 42, 14.644, 333.635 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, 14.644, 333.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

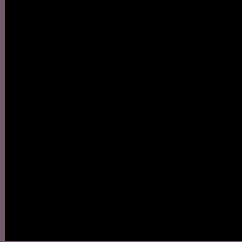
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 14.644, 333.635

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.644, 333.635.



This preview shows how white text looks on a background with the CIELCh color 42, 14.644, 333.635.

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, 14.644, 333.635

Protanopia

42, 9.679, 289.301

Deuteranopia

42, 7.823, 312.353



Tritanopia
42, 9.807, 355.383

Trichromacy



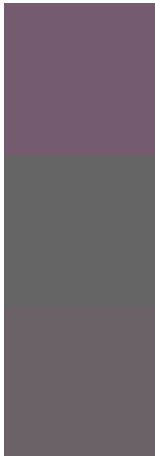
Original Color
42, 14.644, 333.635

Protanomaly
42, 10.816, 308.702

Deuteranomaly
42, 10.021, 323.104

Tritanomaly
42, 11.324, 345.215

Monochromacy



Original Color
42, 14.644, 333.635

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, 14.644, 333.635 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, 92, 110)` looks like.

```
.text, #text, p{  
    color:rgb(116, 92, 110)  
}
```

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, 92, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 92, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.644, 333.635 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, 92, 110) }
```

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

```
.border{ border-color:rgb(116, 92, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 92, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 92, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 92, 110);  
box-shadow:4px 4px 4px 4px rgb(116, 92,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.644, 333.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 92, 110) }
```

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

```
.background{ background-color: rgb(116, 92,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor