

Converting Colors

CIELCh(42, 13.282, 329.864)

Have a look what the booklet for
CIELCh(42, 13.282, 329.864)
contains.

| | |
|--|----|
| CIELCh(42, 13.138, 329.839) | 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, 13.138, 329.839)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 715D6E |
| RGB | 113, 93, 110 |
| RGB Percent | 44%, 36%, 43% |
| CMY | 0.5563, 0.6348, 0.5681 |
| CMYK | 0.00, 0.18, 0.03, 0.56 |
| HSL | 309°, 10%, 40% |
| HSV | 309°, 18%, 44% |
| XYZ | 13.5751, 12.5000, 16.4874 |
| YIQ | 100.9180, 6.4630, 9.5270 |

Conversions

Conversions Part 2

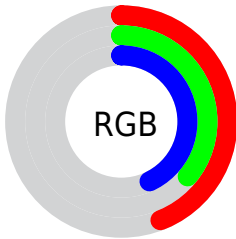
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 113, 93, 110 |
| Decimal | 7429486 |
| CIE _{Lab} | 42.00, 11.36, -6.60 |
| CIE _{LCh} | 42, 13.138, 329.839 |
| Yxy | 12.5000, 0.3189, 0.2937 |
| Android (android.graphics.Color) | 4285619566 (0xFF715D6E) |
| YUV | 100.9180, 4.4774, 10.5959 |
| Hunter-Lab | 35.3553, 6.6652, -2.9003 |

Details

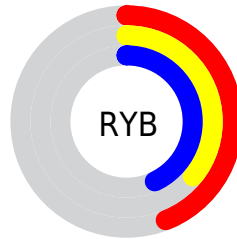
The CIELCh color $42, 13.138, 329.839$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 13.103, 147.741$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 13.600, 329.162$, and $22, 12.870, 330.880$ is the 20% darker color. If you saturate the color by 10%, you get $39, 20.592, 330.435$, and if you desaturate by 10%, it is $45, 5.678, 329.243$.

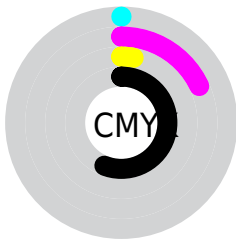
Distribution



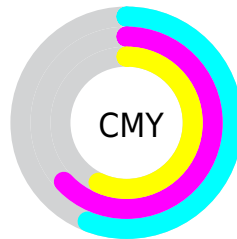
- Red (44%)
- Green (36%)
- Blue (43%)



- Red (44%)
- Yellow (36%)
- Blue (43%)



- Cyan (0%)
- Magenta (18%)
- Yellow (3%)
- Black (56%)





- Cyan (56%)
- Magenta (63%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.138, 329.839 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, 13.138, 329.839 by changing the saturation by 10% instead.


 42, 13.138,
329.839


 42, 13.138,
329.839


 100, 13.138,
329.839


 32, 13.138,
329.839

 62, 13.138,
329.839


 22, 13.138,
329.839

 72, 13.138,
329.839


 12, 13.138,
329.839


 82, 13.138,
329.839

 2, 13.138, 329.839

 92, 13.138,
329.839

 0, 13.138, 329.839

 42, 13.138,

 42, 13.138,

329.839

329.839

39, 20.592,
330.435

45, 5.678, 329.243

36, 27.909,
331.036

48, 1.692, 148.833

33, 34.898,
331.640

52, 8.915, 148.199

31, 41.317,
332.247

55, 15.957,
147.672

29, 46.881,
332.855

59, 22.801,
147.174

27, 51.302,
333.472

62, 29.443,
146.702

26, 54.350,
334.108

65, 35.886,
146.256

25, 56.269,
334.767

69, 42.136,
145.834

72, 48.202,

■ 25, 56.713,
334.916

145.436

Harmonies

Complementary

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



42, 13.138, 329.839



46, 13.103, 147.741

Rectangle

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



42, 13.138, 329.839



42, 13.138, 19.839



42, 13.138, 149.839



42, 13.138, 199.839

Sweetspot

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



42, 13.136, 329.840



59, 4.597, 329.082



40, 12.270, 297.448



30, 3.117, 329.117



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, 13.136, 329.840



53, 19.455, 330.070



42, 9.439, 354.203



22, 4.132, 329.323



27, 59.055, 334.965



57, 100.220, 335.416

Inverse Universe

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



42, 13.136, 329.840



53, 19.455, 330.070



46, 9.069, 171.049



22, 4.132, 329.323



27, 59.055, 334.965



57, 100.220, 335.416

Previews

White Background



This preview shows how the CIELCh color 42, 13.138, 329.839 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, 13.138, 329.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

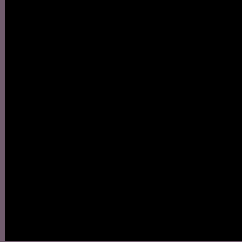
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 13.138, 329.839

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.138, 329.839.



This preview shows how white text looks on a background with the CIELCh color 42, 13.138, 329.839.

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, 13.138, 329.839

Protanopia

42, 9.679, 289.301

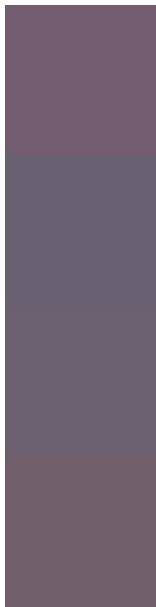
Deuteranopia

42, 7.823, 312.353



Tritanopia
42, 8.288, 349.995

Trichromacy



Original Color
42, 13.138, 329.839

Protanomaly
42, 10.705, 306.652

Deuteranomaly
42, 9.078, 320.675

Tritanomaly
42, 10.004, 339.257

Monochromacy



Original Color
42, 13.138, 329.839

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 4.655, 328.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.138, 329.839 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(113, 93, 110)` looks like.

```
.text, #text, p{  
    color:rgb(113, 93, 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(113, 93, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 93, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.138, 329.839 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(113, 93, 110) }
```

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

```
.border{ border-color:rgb(113, 93, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 93, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 93, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 93, 110);  
box-shadow:4px 4px 4px 4px rgb(113, 93,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.138, 329.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 93, 110) }
```

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

```
.background{ background-color: rgb(113, 93,  
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