

Converting Colors

CIELCh(33, 42.464, 330.006)

Have a look what the booklet for
CIELCh(33, 42.464, 330.006)
contains.

CIELCh(33, 42.719, 330.050)	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(33, 42.719, 330.050)

Conversions

Conversions Part 1

Format	Color
Hex	763570
RGB	118, 53, 112
RGB Percent	46%, 21%, 44%
CMY	0.5379, 0.7928, 0.5614
CMYK	0.00, 0.55, 0.05, 0.54
HSL	306°, 38%, 33%
HSV	306°, 55%, 46%
XYZ	11.6291, 7.5373, 16.1231
YIQ	79.1610, 19.8010, 32.1290

Conversions

Conversions Part 2

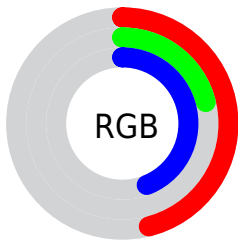
Format	Color
R_{YB}	118, 53, 112
Decimal	7746928
CIE _{Lab}	33.00, 37.01, -21.33
CIE _{LCh}	33, 42.719, 330.050
Yxy	7.5373, 0.3295, 0.2136
Android (android.graphics.Color)	4285937008 (0xFF763570)
YUV	79.1610, 16.1896, 34.0618
Hunter-Lab	27.4541, 27.5648, -15.6018

Details

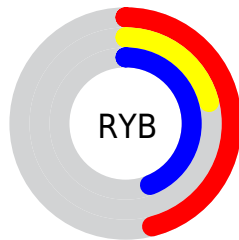
The CIELCh color **33, 42.719, 330.050** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **44, 43.063, 142.482**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 42.684, 330.104**, and **13, 42.888, 329.881** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.934, 330.555**, and if you desaturate by 10%, it is **36, 35.660, 329.521**.

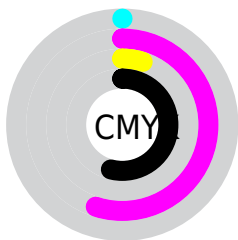
Distribution



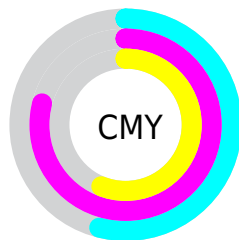
- Red (46%)
- Green (21%)
- Blue (44%)



- Red (46%)
- Yellow (21%)
- Blue (44%)



- Cyan (0%)
- Magenta (55%)
- Yellow (5%)
- Black (54%)





- Cyan (54%)
- Magenta (79%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 42.719, 330.050 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 33, 42.719, 330.050 by changing the saturation by 10% instead.


 33, 42.719,
330.050


 33, 42.719,
330.050

 100, 42.719,
330.050


 23, 42.719,
330.050

 53, 42.719,
330.050


 13, 42.719,
330.050


 63, 42.719,
330.050

 3, 42.719, 330.050

 73, 42.719,
330.050

 0, 42.719, 330.050

 83, 42.719,
330.050

 93, 42.719,
330.050

■ 33, 42.719,
330.050

■ 33, 42.719,
330.050

■ 31, 48.934,
330.555

■ 36, 35.660,
329.521

■ 29, 54.008,
331.030

■ 38, 28.051,
328.973

■ 28, 57.687,
331.479

■ 41, 20.137,
328.415

■ 27, 59.953,
331.907

■ 45, 12.107,
327.853

■ 26, 60.935,
332.109

■ 48, 4.095, 327.272

■ 51, 3.806, 146.830

■ 55, 11.540,
146.275

■ 58, 19.073,
145.768

■ 62, 26.390,
145.287

Harmonies

Complementary

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



33, 42.719, 330.050



44, 43.063, 142.482

Rectangle

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



33, 42.719, 330.050



33, 42.719, 20.050



33, 42.719, 150.050



33, 42.719, 200.050

Sweetspot

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



33, 42.717, 330.050



56, 16.836, 327.981



26, 42.382, 300.024



28, 11.199, 328.065



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 42.717, 330.050



40, 60.801, 330.676



32, 31.847, 354.873



23, 4.466, 327.504



28, 62.602, 332.126



58, 105.725, 332.364

Inverse Universe

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



33, 42.717, 330.050



40, 60.801, 330.676



45, 29.103, 162.603



23, 4.466, 327.504



28, 62.602, 332.126



58, 105.725, 332.364

Previews

White Background



This preview shows how the CIELCh color 33, 42.719, 330.050 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 33, 42.719, 330.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33, 42.719, 330.050

Background



This preview shows how black text looks on a background with the CIELCh color 33, 42.719, 330.050.



This preview shows how white text looks on a background with the CIELCh color 33, 42.719, 330.050.

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

33, 42.719, 330.050

Protanopia

34, 34.749, 285.285

Deuteranopia

33, 19.626, 285.099



Tritanopia
33, 22.856, 17.405

Trichromacy



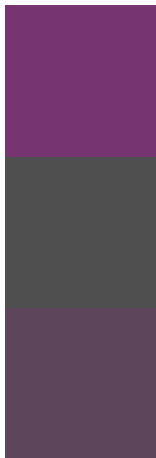
Original Color
33, 42.719, 330.050

Protanomaly
32, 36.231, 301.256

Deuteranomaly
32, 26.972, 309.636

Tritanomaly
33, 27.505, 352.351

Monochromacy



Original Color
33, 42.719, 330.050

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 17.106, 328.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 42.719, 330.050 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(118, 53, 112)` looks like.

```
.text, #text, p{  
    color:rgb(118, 53, 112)  
}
```

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(118, 53, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 53, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 42.719, 330.050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

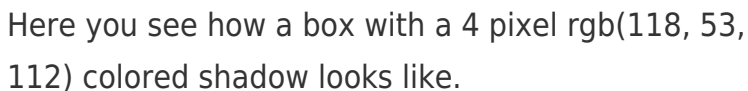
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 53, 112) }
```

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

```
.border{ border-color:rgb(118, 53, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 53, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 53, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 53, 112);  
box-shadow:4px 4px 4px 4px rgb(118, 53,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 42.719, 330.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 53, 112) }
```

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

```
.background{ background-color: rgb(118, 53,  
112) }
```

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