

Converting Colors

CIELCh(33, 42.566, 324.635)

Have a look what the booklet for
CIELCh(33, 42.566, 324.635)
contains.

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Color

CIELCh(33, 42.372, 324.544)

Conversions

Conversions Part 1

Format	Color
Hex	703875
RGB	112, 56, 117
RGB Percent	44%, 22%, 46%
CMY	0.5612, 0.7808, 0.5416
CMYK	0.04, 0.52, 0.00, 0.54
HSL	295°, 35%, 34%
HSV	295°, 52%, 46%
XYZ	11.2813, 7.5373, 17.6558
YIQ	79.6980, 13.7950, 30.8430

Conversions

Conversions Part 2

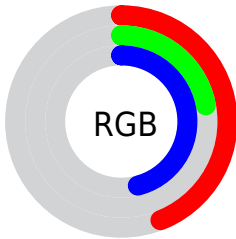
Format	Color
R_{YB}	112, 56, 117
Decimal	7354485
CIE _{Lab}	33.00, 34.51, -24.58
CIE _{LCh}	33, 42.372, 324.544
Yxy	7.5373, 0.3093, 0.2066
Android (android.graphics.Color)	4285544565 (0xFF703875)
YUV	79.6980, 18.3899, 28.3289
Hunter-Lab	27.4541, 25.3034, -18.9118

Details

The CIELCh color **33, 42.372, 324.544** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **44, 42.235, 138.702**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 42.419, 324.606**, and **13, 42.146, 324.759** is the 20% darker color. If you saturate the color by 10%, you get **31, 49.349, 324.866**, and if you desaturate by 10%, it is **36, 34.705, 324.155**.

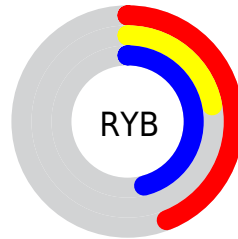
Distribution



Red (44%)

Green (22%)

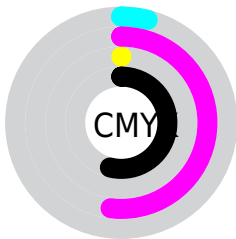
Blue (46%)



Red (44%)

Yellow (22%)

Blue (46%)

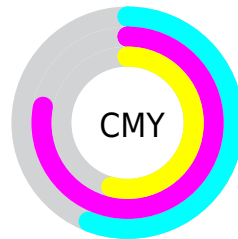


Cyan (4%)

Magenta (52%)

Yellow (0%)

Black (54%)



Cyan (56%)

Magenta (78%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 42.372, 324.544 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, 42.372, 324.544 by changing the saturation by 10% instead.


 33, 42.372,
324.544


 33, 42.372,
324.544

 100, 42.372,
324.544


 23, 42.372,
324.544

 53, 42.372,
324.544

 13, 42.372,
324.544

 63, 42.372,
324.544

 3, 42.372, 324.544

 73, 42.372,
324.544

 0, 42.372, 324.544

 83, 42.372,
324.544

 93, 42.372,
324.544

■ 33, 42.372,
324.544

■ 33, 42.372,
324.544

■ 31, 49.349,
324.866

■ 36, 34.705,
324.155

■ 29, 55.332,
325.097

■ 39, 26.624,
323.719

■ 27, 60.024,
325.216

■ 42, 18.346,
323.255

■ 26, 63.222,
325.205

■ 45, 10.030,
322.776

■ 25, 65.264,
325.163

■ 48, 1.785, 322.230

■ 52, 6.314, 141.885

■ 55, 14.226,
141.425

■ 59, 21.926,
140.997

■ 62, 29.404,
140.593

Harmonies

Complementary

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



33, 42.372, 324.544



44, 42.235, 138.702

Rectangle

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



33, 42.372, 324.544



33, 42.372, 14.544



33, 42.372, 144.544



33, 42.372, 194.544

Sweetspot

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



33, 42.371, 324.544



57, 16.464, 322.981



28, 36.083, 294.239



28, 11.057, 323.056



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, 42.371, 324.544



40, 61.878, 324.932



33, 32.720, 344.100



23, 4.639, 322.622



26, 67.455, 325.148



56, 114.405, 324.981

Inverse Universe

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



32, 28.834, 19.081



38, 44.187, 22.121



44, 31.762, 154.409



23, 2.763, 13.226



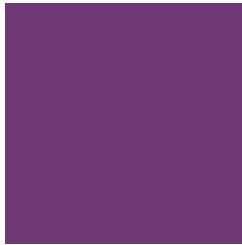
24, 56.815, 34.671



52, 99.590, 37.460

Previews

White Background



This preview shows how the CIELCh color 33, 42.372, 324.544 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 CIE LCh color 33, 42.372, 324.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

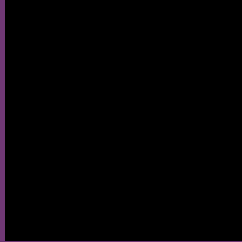
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 42.372, 324.544

Background



This preview shows how black text looks on a background with the CIELCh color 33, 42.372, 324.544.



This preview shows how white text looks on a background with the CIELCh color 33, 42.372, 324.544.

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, 42.372, 324.544

Protanopia

33, 37.280, 285.951

Deuteranopia

33, 22.313, 281.529



Tritanopia
33, 18.066, 12.763

Trichromacy



Original Color
33, 42.372, 324.544

Protanomaly
32, 37.320, 298.704

Deuteranomaly
33, 28.179, 302.785

Tritanomaly
33, 24.377, 344.389

Monochromacy



Original Color
33, 42.372, 324.544

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 16.378, 324.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 42.372, 324.544 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(112, 56, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 56, 117)  
}
```

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(112, 56, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 56, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 42.372, 324.544 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(112, 56, 117) }
```

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

```
.border{ border-color:rgb(112, 56, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 56, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 56, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 56, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 56,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 42.372, 324.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 56, 117) }
```

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

```
.background{ background-color: rgb(112, 56,  
117) }
```

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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