

Converting Colors

CIELCh(33, 48.219, 327.803)

Have a look what the booklet for
CIELCh(33, 48.219, 327.803)
contains.

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Color

CIELCh(33, 48.462, 327.731)

Conversions

Conversions Part 1

Format	Color
Hex	783177
RGB	120, 49, 119
RGB Percent	47%, 19%, 47%
CMY	0.5291, 0.8075, 0.5330
CMYK	0.00, 0.59, 0.01, 0.53
HSL	301°, 42%, 33%
HSV	301°, 59%, 47%
XYZ	12.1950, 7.5373, 18.2920
YIQ	78.2090, 19.8460, 36.8220

Conversions

Conversions Part 2

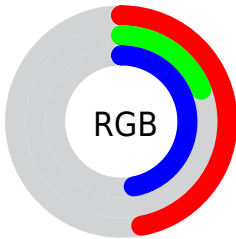
Format	Color
R_{YB}	120, 49, 119
Decimal	7876983
CIE _{Lab}	33.00, 40.98, -25.87
CIE _{LCh}	33, 48.462, 327.731
Yxy	7.5373, 0.3207, 0.1982
Android (android.graphics.Color)	4286067063 (0xFF783177)
YUV	78.2090, 20.1100, 36.6507
Hunter-Lab	27.4541, 31.2442, -20.2857

Details

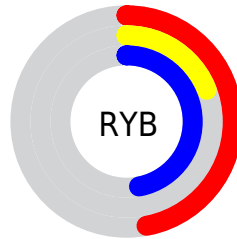
The CIELCh color **33, 48.462, 327.731** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 48.914, 139.973**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 48.342, 327.445**, and **14, 45.578, 327.727** is the 20% darker color. If you saturate the color by 10%, you get **31, 54.670, 328.094**, and if you desaturate by 10%, it is **35, 41.239, 327.308**.

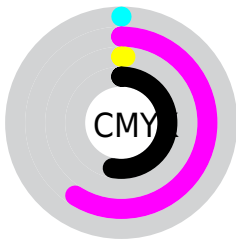
Distribution



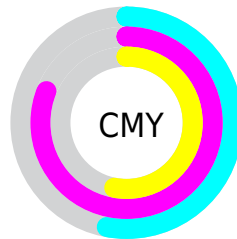
- Red (47%)
- Green (19%)
- Blue (47%)



- Red (47%)
- Yellow (19%)
- Blue (47%)



- Cyan (0%)
- Magenta (59%)
- Yellow (1%)
- Black (53%)





- Cyan (53%)
- Magenta (81%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 48.462, 327.731 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, 48.462, 327.731 by changing the saturation by 10% instead.


 33, 48.462,
327.731


 33, 48.462,
327.731

 100, 48.462,
327.731


 23, 48.462,
327.731

 53, 48.462,
327.731


 13, 48.462,
327.731


 63, 48.462,
327.731

 3, 48.462, 327.731

 73, 48.462,
327.731

 0, 48.462, 327.731

 83, 48.462,
327.731

 93, 48.462,
327.731

■ 33, 48.462,
327.731

■ 33, 48.462,
327.731

■ 31, 54.670,
328.094

■ 35, 41.239,
327.308

■ 29, 59.580,
328.386

■ 38, 33.312,
326.839

■ 28, 62.992,
328.603

■ 41, 24.954,
326.336

■ 28, 65.314,
328.766

■ 44, 16.390,
325.813

■ 28, 65.518,
328.780

■ 47, 7.787, 325.275

■ 51, 0.737, 145.018

■ 54, 9.104, 144.281

■ 58, 17.268,
143.774

■ 61, 25.203,
143.295

Harmonies

Complementary

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



33, 48.462, 327.731



45, 48.914, 139.973

Rectangle

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



33, 48.462, 327.731



33, 48.462, 17.731



33, 48.462, 147.731



33, 48.462, 197.731

Sweetspot

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



33, 48.460, 327.731



57, 19.064, 325.777



24, 46.543, 298.839



28, 13.357, 325.906



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



33, 48.460, 327.731



40, 68.292, 328.208



31, 35.714, 350.054



24, 4.883, 325.273



29, 67.407, 328.782



60, 113.405, 328.812

Inverse Universe

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



33, 48.460, 327.731



40, 68.292, 328.208



45, 33.795, 157.434



24, 4.883, 325.273



29, 67.407, 328.782



60, 113.405, 328.812

Previews

White Background



This preview shows how the CIELCh color 33, 48.462, 327.731 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, 48.462, 327.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

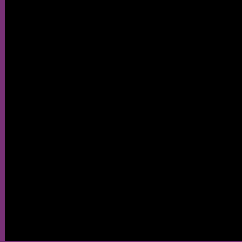
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 48.462, 327.731

Background



This preview shows how black text looks on a background with the CIELCh color 33, 48.462, 327.731.



This preview shows how white text looks on a background with the CIELCh color 33, 48.462, 327.731.

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, 48.462, 327.731

Protanopia

33, 42.262, 286.319

Deuteranopia

33, 22.916, 282.028



Tritanopia
33, 23.787, 16.409

Trichromacy



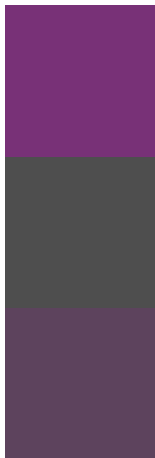
Original Color
33, 48.462, 327.731

Protanomaly
32, 43.049, 299.552

Deuteranomaly
32, 31.680, 306.192

Tritanomaly
33, 29.831, 348.661

Monochromacy



Original Color
33, 48.462, 327.731

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 19.602, 325.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 48.462, 327.731 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(120, 49, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 49, 119)  
}
```

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(120, 49, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 49, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 48.462, 327.731 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(120, 49, 119) }
```

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

```
.border{ border-color:rgb(120, 49, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 49, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 49, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 49, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 49,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 48.462, 327.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 49, 119) }
```

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

```
.background{ background-color: rgb(120, 49,  
119) }
```

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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