

Converting Colors

CIELCh(33, 49.891, 325.286)

Have a look what the booklet for
CIELCh(33, 49.891, 325.286)
contains.

CIELCh(33, 49.538, 325.211)	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, 49.538, 325.211)

Conversions

Conversions Part 1

Format	Color
Hex	76327B
RGB	118, 50, 123
RGB Percent	46%, 20%, 48%
CMY	0.5378, 0.8045, 0.5182
CMYK	0.04, 0.59, 0.00, 0.52
HSL	296°, 42%, 34%
HSV	296°, 59%, 48%
XYZ	12.1524, 7.5373, 19.5067
YIQ	78.6540, 17.0950, 37.1190

Conversions

Conversions Part 2

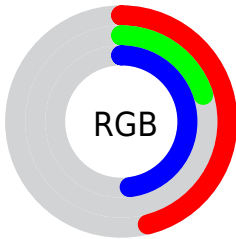
Format	Color
R _Y B	118, 50, 123
Decimal	7746171
CIE Lab	33.00, 40.68, -28.26
CIE LCh	33, 49.538, 325.211
Yxy	7.5373, 0.3100, 0.1923
Android (android.graphics.Color)	4285936251 (0xFF76327B)
YUV	78.6540, 21.8626, 34.5064
Hunter-Lab	27.4541, 30.9676, -22.9090

Details

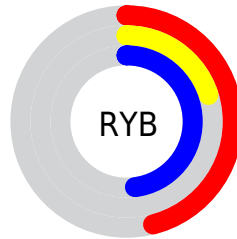
The CIELCh color $[33, 49.538, 325.211]$ is a dark color, and the websafe version is hex `#663366`. A complement of this color would be $[46, 49.585, 138.311]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 49.826, 325.142]$, and $[14, 47.536, 324.904]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 56.020, 325.480]$, and if you desaturate by 10%, it is $[36, 42.075, 324.860]$.

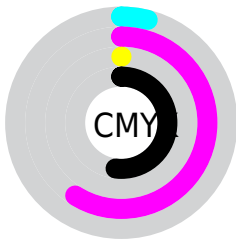
Distribution



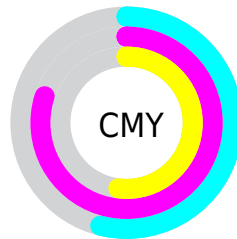
- Red (46%)
- Green (20%)
- Blue (48%)



- Red (46%)
- Yellow (20%)
- Blue (48%)



- Cyan (4%)
- Magenta (59%)
- Yellow (0%)
- Black (52%)





- Cyan (54%)
- Magenta (80%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 49.538, 325.211 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, 49.538, 325.211 by changing the saturation by 10% instead.


 33, 49.538,
325.211


 33, 49.538,
325.211

 100, 49.538,
325.211


 23, 49.538,
325.211

 53, 49.538,
325.211


 13, 49.538,
325.211


 63, 49.538,
325.211

 3, 49.538, 325.211

 73, 49.538,
325.211

 0, 49.538, 325.211

 83, 49.538,
325.211

 93, 49.538,
325.211

■ 33, 49.538,
325.211

■ 33, 49.538,
325.211

■ 31, 56.020,
325.480

■ 36, 42.075,
324.860

■ 29, 61.211,
325.644

■ 38, 33.955,
324.447

■ 28, 64.869,
325.688

■ 42, 25.451,
323.994

■ 27, 67.415,
325.648

■ 45, 16.778,
323.516

■ 27, 67.566,
325.646

■ 48, 8.094, 323.023

■ 52, 0.494, 142.907

■ 55, 8.917, 142.115

■ 59, 17.134,
141.656

■ 63, 25.123,
141.224

Harmonies

Complementary

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



33, 49.538, 325.211



46, 49.585, 138.311

Rectangle

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



33, 49.538, 325.211



33, 49.538, 15.211



33, 49.538, 145.211



33, 49.538, 195.211

Sweetspot

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



33, 49.536, 325.211



58, 19.367, 323.469



27, 43.411, 295.865



29, 13.574, 323.589



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



33, 49.536, 325.211



40, 70.384, 325.547



32, 38.176, 345.051



24, 4.827, 323.005



27, 68.391, 325.641



57, 115.159, 325.504

Inverse Universe

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



31, 34.761, 21.808



38, 52.381, 25.699



46, 37.164, 153.377



24, 2.859, 14.316



25, 58.147, 35.415



53, 101.051, 38.003

Previews

White Background



This preview shows how the CIELCh color 33, 49.538, 325.211 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, 49.538, 325.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

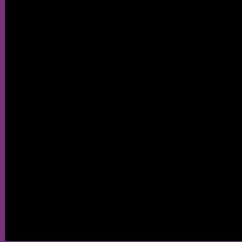
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 49.538, 325.211

Background



This preview shows how black text looks on a background with the CIELCh color 33, 49.538, 325.211.



This preview shows how white text looks on a background with the CIELCh color 33, 49.538, 325.211.

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, 49.538, 325.211

Protanopia

33, 44.763, 286.348

Deuteranopia

33, 25.533, 281.157



Tritanopia
33, 21.407, 16.668

Trichromacy



Original Color
33, 49.538, 325.211

Protanomaly
32, 45.488, 298.265

Deuteranomaly
32, 33.262, 303.254

Tritanomaly
33, 28.861, 345.106

Monochromacy



Original Color
33, 49.538, 325.211

Achromatopsia
34, 0.005, 296.813

Achromatomaly
32, 19.875, 323.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 49.538, 325.211 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, 50, 123)` looks like.

```
.text, #text, p{  
    color:rgb(118, 50, 123)  
}
```

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, 50, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 50, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 49.538, 325.211 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, 50, 123) }
```

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

```
.border{ border-color:rgb(118, 50, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 50, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 50, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 50, 123);  
box-shadow:4px 4px 4px 4px rgb(118, 50,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 49.538, 325.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 50, 123) }
```

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

```
.background{ background-color: rgb(118, 50,  
123) }
```

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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