

Converting Colors

CIELCh(33, 58.336, 321.248)

Have a look what the booklet for
CIELCh(33, 58.336, 321.248)
contains.

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Color

CIELCh(33, 58.545, 321.363)

Conversions

Conversions Part 1

Format	Color
Hex	762D88
RGB	118, 45, 136
RGB Percent	46%, 18%, 53%
CMY	0.5365, 0.8228, 0.4660
CMYK	0.13, 0.67, 0.00, 0.47
HSL	288°, 50%, 36%
HSV	288°, 67%, 53%
XYZ	12.8976, 7.5373, 24.1339
YIQ	77.2010, 14.2970, 43.7770

Conversions

Conversions Part 2

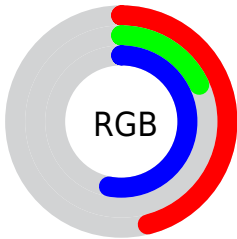
Format	Color
RYB	118, 45, 136
Decimal	7744904
CIELab	33.00, 45.73, -36.55
CIElCh	33, 58.545, 321.363
Yxy	7.5373, 0.2894, 0.1691
Android (android.graphics.Color)	4285934984 (0xFF762D88)
YUV	77.2010, 28.9879, 35.7807
Hunter-Lab	27.4541, 35.8128, -32.9019

Details

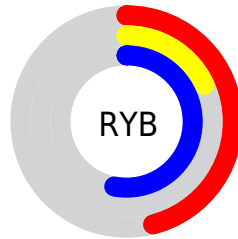
The CIELCh color **33, 58.545, 321.363** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **51, 57.480, 135.013**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 58.859, 321.488**, and **14, 52.991, 320.479** is the 20% darker color. If you saturate the color by 10%, you get **31, 64.927, 321.441**, and if you desaturate by 10%, it is **36, 50.940, 321.146**.

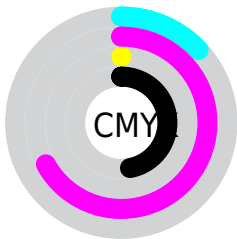
Distribution



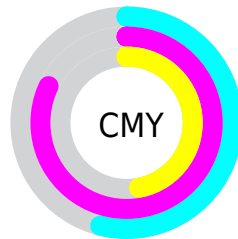
- Red (46%)
- Green (18%)
- Blue (53%)



- Red (46%)
- Yellow (18%)
- Blue (53%)



- Cyan (13%)
- Magenta (67%)
- Yellow (0%)
- Black (47%)





- Cyan (54%)
- Magenta (82%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 58.545, 321.363 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, 58.545, 321.363 by changing the saturation by 10% instead.


 33, 58.545,
321.363


 33, 58.545,
321.363

 100, 58.545,
321.363


 23, 58.545,
321.363

 53, 58.545,
321.363


 13, 58.545,
321.363


 63, 58.545,
321.363

 3, 58.545, 321.363

 73, 58.545,
321.363

 0, 58.545, 321.363

 83, 58.545,
321.363

 93, 58.545,
321.363

■ 33, 58.545,
321.363

■ 33, 58.545,
321.363

■ 31, 64.927,
321.441

■ 36, 50.940,
321.146

■ 29, 69.717,
321.337

■ 39, 42.507,
320.828

■ 27, 72.866,
321.047

■ 43, 33.585,
320.446

■ 27, 73.807,
320.954

■ 46, 24.434,
320.027

■ 50, 15.242,
319.590

■ 54, 6.133, 319.143

■ 58, 2.816, 138.804

■ 62, 11.558,
138.360

■ 66, 20.069,
137.975

Harmonies

Complementary

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



33, 58.545, 321.363



51, 57.480, 135.013

Rectangle

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



33, 58.545, 321.363



33, 58.545, 11.363



33, 58.545, 141.363



33, 58.545, 191.363

Sweetspot

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



33, 58.544, 321.363



62, 22.392, 319.749



29, 46.534, 292.577



31, 15.417, 319.856



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



33, 58.544, 321.363



39, 81.448, 321.415



34, 48.755, 339.685



27, 5.129, 319.250



26, 72.392, 320.972



0, 2.362, 318.876

Inverse Universe

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



33, 41.457, 14.279



39, 59.781, 19.668



50, 49.198, 147.435



27, 3.254, 4.173



27, 56.475, 27.958



0, 1.477, 3.418

Previews

White Background



This preview shows how the CIELCh color 33, 58.545, 321.363 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, 58.545, 321.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

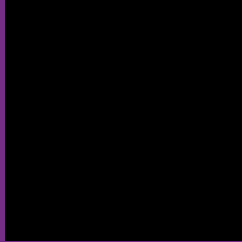
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 58.545, 321.363

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.545, 321.363.

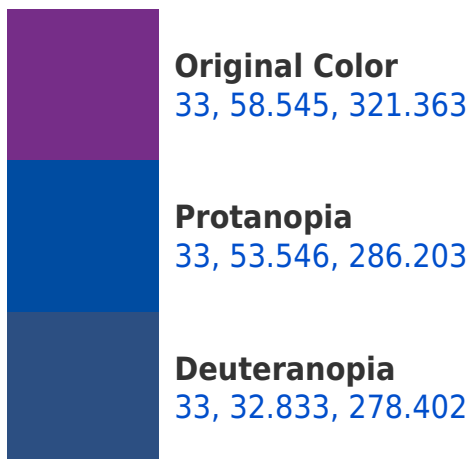


This preview shows how white text looks on a background with the CIELCh color 33, 58.545, 321.363.

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





Tritanopia
33, 19.946, 14.101

Trichromacy



Original Color
33, 58.545, 321.363

Protanomaly
31, 54.996, 294.040

Deuteranomaly
32, 41.141, 298.585

Tritanomaly
32, 31.322, 338.475

Monochromacy



Original Color
33, 58.545, 321.363

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 24.065, 320.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.545, 321.363 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, 45, 136)` looks like.

```
.text, #text, p{  
    color:rgb(118, 45, 136)  
}
```

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, 45, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 45, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.545, 321.363 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, 45, 136) }
```

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

```
.border{ border-color:rgb(118, 45, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 45, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 45, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 45, 136);  
box-shadow:4px 4px 4px 4px rgb(118, 45,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.545, 321.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 45, 136) }
```

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

```
.background{ background-color: rgb(118, 45,  
136) }
```

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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