

Converting Colors

CIELCh(33, 64.791, 316.014)

Have a look what the booklet for
CIELCh(33, 64.791, 316.014)
contains.

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Color

CIELCh(33, 64.914, 315.972)

Conversions

Conversions Part 1

Format	Color
Hex	6F2E96
RGB	111, 46, 150
RGB Percent	44%, 18%, 59%
CMY	0.5647, 0.8196, 0.4117
CMYK	0.26, 0.69, 0.00, 0.41
HSL	278°, 53%, 38%
HSV	278°, 69%, 59%
XYZ	13.0401, 7.5373, 29.6259
YIQ	77.2910, 5.3560, 46.1240

Conversions

Conversions Part 2

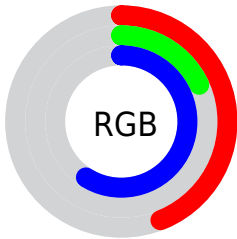
Format	Color
R_{YB}	111, 46, 150
Decimal	7286422
CIE _{Lab}	33.00, 46.67, -45.12
CIE _{LCh}	33, 64.914, 315.972
Yxy	7.5373, 0.2597, 0.1501
Android (android.graphics.Color)	4285476502 (0xFF6F2E96)
YUV	77.2910, 35.8455, 29.5628
Hunter-Lab	27.4541, 36.7391, -44.7623

Details

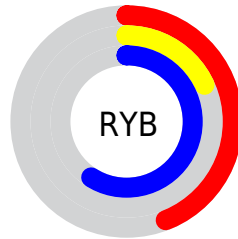
The CIELCh color **33, 64.914, 315.972** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **56, 60.864, 130.337**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 64.986, 316.003**, and **14, 60.405, 314.848** is the 20% darker color. If you saturate the color by 10%, you get **30, 72.153, 316.007**, and if you desaturate by 10%, it is **37, 56.430, 315.749**.

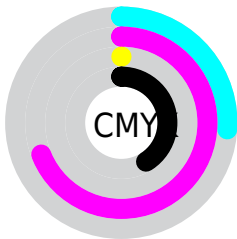
Distribution



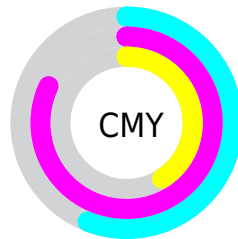
- Red (44%)
- Green (18%)
- Blue (59%)



- Red (44%)
- Yellow (18%)
- Blue (59%)



- Cyan (26%)
- Magenta (69%)
- Yellow (0%)
- Black (41%)





- Cyan (56%)
- Magenta (82%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 64.914, 315.972 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, 64.914, 315.972 by changing the saturation by 10% instead.


 33, 64.914,
315.972


 33, 64.914,
315.972

 100, 64.914,
315.972


 23, 64.914,
315.972

 53, 64.914,
315.972


 13, 64.914,
315.972


 63, 64.914,
315.972

 3, 64.914, 315.972

 73, 64.914,
315.972

 0, 64.914, 315.972

 83, 64.914,
315.972

 93, 64.914,
315.972

■ 33, 64.914,
315.972

■ 33, 64.914,
315.972

■ 30, 72.153,
316.007

■ 37, 56.430,
315.749

■ 27, 77.626,
315.775

■ 40, 47.194,
315.405

■ 26, 81.440,
315.309

■ 45, 37.582,
314.994

■ 25, 81.699,
315.281

■ 49, 27.859,
314.554

■ 53, 18.191,
314.110

■ 58, 8.683, 313.676

■ 62, 0.609, 133.497

■ 67, 9.656, 132.928

■ 71, 18.446,
132.581

Harmonies

Complementary

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



33, 64.914, 315.972



56, 60.864, 130.337

Rectangle

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



33, 64.914, 315.972



33, 64.914, 5.972



33, 64.914, 135.972



33, 64.914, 185.972

Sweetspot

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



33, 64.913, 315.972



67, 24.406, 314.202



37, 40.199, 281.710



33, 16.510, 314.312



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 64.913, 315.972



38, 91.002, 315.922



38, 60.949, 331.754



29, 5.197, 313.670



23, 76.712, 315.362



1, 4.499, 313.310

Inverse Universe

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



36, 46.529, 1.332



43, 64.214, 6.351



55, 62.532, 141.183



29, 3.759, 351.745



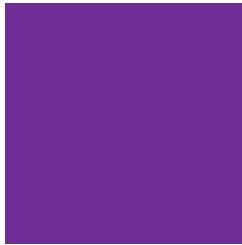
28, 53.742, 12.669



1, 3.240, 350.976

Previews

White Background



This preview shows how the CIELCh color 33, 64.914, 315.972 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, 64.914, 315.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

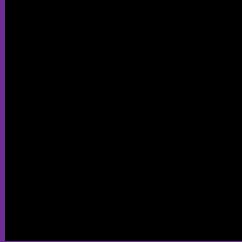
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 64.914, 315.972

Background



This preview shows how black text looks on a background with the CIELCh color 33, 64.914, 315.972.



This preview shows how white text looks on a background with the CIELCh color 33, 64.914, 315.972.

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, 64.914, 315.972

Deuteranopia

33, 39.753, 275.451

Tritanopia

33, 13.515, 5.699

Trichromacy



Original Color
33, 64.914, 315.972

Deuteranomaly
31, 48.239, 290.449

Tritanomaly
32, 30.861, 326.488

Monochromacy



Original Color
33, 64.914, 315.972

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 25.716, 314.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 64.914, 315.972 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(111, 46, 150)` looks like.

```
.text, #text, p{  
    color:rgb(111, 46, 150)  
}
```

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(111, 46, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 46, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 64.914, 315.972 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(111, 46, 150) }
```

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

```
.border{ border-color:rgb(111, 46, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 46, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 46, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 46, 150);  
box-shadow:4px 4px 4px 4px rgb(111, 46,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 64.914, 315.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 46, 150) }
```

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

```
.background{ background-color: rgb(111, 46,  
150) }
```

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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