

Converting Colors

CIELCh(33, 64.903, 314.832)

Have a look what the booklet for
CIELCh(33, 64.903, 314.832)
contains.

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Color

CIELCh(33, 64.903, 314.832)

Conversions

Conversions Part 1

Format	Color
Hex	6C2F97
RGB	108, 47, 151
RGB Percent	42%, 18%, 59%
CMY	0.5746, 0.8139, 0.4060
CMYK	0.28, 0.69, 0.00, 0.41
HSL	275°, 52%, 39%
HSV	275°, 69%, 59%
XYZ	12.9019, 7.5373, 30.2556
YIQ	77.0950, 2.9720, 45.2760

Conversions

Conversions Part 2

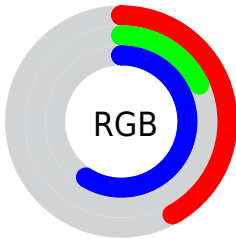
Format	Color
R_{YB}	108, 47, 151
Decimal	7090071
CIE Lab	33.00, 45.76, -46.03
CIE LCh	33, 64.903, 314.832
Yxy	7.5373, 0.2545, 0.1487
Android (android.graphics.Color)	4285280151 (0xFF6C2F97)
YUV	77.0950, 36.4352, 27.1037
Hunter-Lab	27.4541, 35.8402, -46.1223

Details

The CIELCh color **33, 64.903, 314.832** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 60.192, 129.186**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 64.717, 314.849**, and **14, 61.278, 313.900** is the 20% darker color. If you saturate the color by 10%, you get **30, 72.480, 314.915**, and if you desaturate by 10%, it is **37, 56.157, 314.563**.

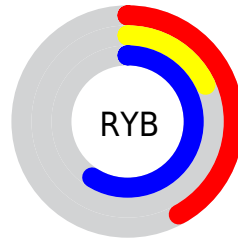
Distribution



Red (42%)

Green (18%)

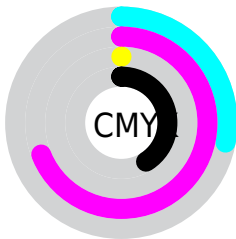
Blue (59%)



Red (42%)

Yellow (18%)

Blue (59%)

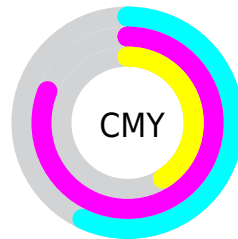


Cyan (28%)

Magenta (69%)

Yellow (0%)

Black (41%)



Cyan (57%)


Magenta (81%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 64.903, 314.832 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, 64.903, 314.832 by changing the saturation by 10% instead.


 33, 64.903,
314.832


 33, 64.903,
314.832

 100, 64.903,
314.832


 23, 64.903,
314.832

 53, 64.903,
314.832


 13, 64.903,
314.832


 63, 64.903,
314.832

 3, 64.903, 314.832

 73, 64.903,
314.832

 0, 64.903, 314.832

 83, 64.903,
314.832

 93, 64.903,
314.832

■ 33, 64.903,
314.832

■ 33, 64.903,
314.832

■ 30, 72.480,
314.915

■ 37, 56.157,
314.563

■ 27, 78.328,
314.725

■ 41, 46.740,
314.181

■ 25, 82.395,
314.270

■ 45, 37.019,
313.740

■ 25, 82.932,
314.218

■ 50, 27.241,
313.279

■ 54, 17.557,
312.821

■ 59, 8.059, 312.378

■ 63, 1.207, 132.085

■ 68, 10.217,
131.626

■ 73, 18.965,
131.284

Harmonies

Complementary

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



33, 64.903, 314.832



57, 60.192, 129.186

Rectangle

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



33, 64.903, 314.832



33, 64.903, 4.832



33, 64.903, 134.832



33, 64.903, 184.832

Sweetspot

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



33, 64.902, 314.832



67, 24.470, 312.945



38, 38.103, 278.692



34, 16.738, 313.061



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



33, 64.902, 314.832



38, 91.624, 314.861



39, 62.412, 330.482



30, 5.298, 312.403



23, 78.356, 314.292



1, 5.652, 311.705

Inverse Universe

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



37, 46.989, 358.276



44, 64.676, 2.761



55, 63.879, 140.392



30, 3.957, 349.356



29, 54.169, 9.126



1, 4.201, 349.019

Previews

White Background



This preview shows how the CIELCh color 33, 64.903, 314.832 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, 64.903, 314.832 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, 64.903, 314.832

Background



This preview shows how black text looks on a background with the CIELCh color 33, 64.903, 314.832.



This preview shows how white text looks on a background with the CIELCh color 33, 64.903, 314.832.

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, 64.903, 314.832

Protanopia

33, 53.616, 286.475

Deuteranopia

33, 39.207, 274.906



Tritanopia
33, 11.148, 5.044

Trichromacy



Original Color
33, 64.903, 314.832

Protanomaly
31, 58.036, 294.181

Deuteranomaly
31, 48.261, 290.251

Tritanomaly
33, 29.600, 324.279

Monochromacy



Original Color
33, 64.903, 314.832

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 25.555, 313.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 64.903, 314.832 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(108, 47, 151)` looks like.

```
.text, #text, p{  
    color:rgb(108, 47, 151)  
}
```

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(108, 47, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 47, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 64.903, 314.832 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(108, 47, 151) }
```

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

```
.border{ border-color:rgb(108, 47, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 47, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 47, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 47, 151);  
box-shadow:4px 4px 4px 4px rgb(108, 47,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 64.903, 314.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 47, 151) }
```

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

```
.background{ background-color: rgb(108, 47,  
151) }
```

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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