

Converting Colors

CIELCh(33, 58.130, 304.754)

Have a look what the booklet for
CIELCh(33, 58.130, 304.754)
contains.

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Color

CIELCh(33, 58.218, 304.794)

Conversions

Conversions Part 1

Format	Color
Hex	533D9A
RGB	83, 61, 154
RGB Percent	33%, 24%, 60%
CMY	0.6739, 0.7602, 0.3954
CMYK	0.46, 0.60, 0.00, 0.40
HSL	254°, 43%, 42%
HSV	254°, 60%, 60%
XYZ	11.1040, 7.5373, 31.5116
YIQ	78.1800, -16.7410, 33.5870

Conversions

Conversions Part 2

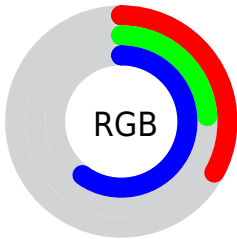
Format	Color
R_{YB}	83, 61, 154
Decimal	5455258
CIE _{Lab}	33.00, 33.22, -47.81
CIE _{LCh}	33, 58.218, 304.794
Yxy	7.5373, 0.2214, 0.1503
Android (android.graphics.Color)	4283645338 (0xFF533D9A)
YUV	78.1800, 37.3793, 4.2271
Hunter-Lab	27.4541, 24.1509, -48.8347

Details

The CIELCh color **33, 58.218, 304.794** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **60, 50.175, 115.877**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 58.415, 304.804**, and **13, 58.516, 304.849** is the 20% darker color. If you saturate the color by 10%, you get **28, 68.202, 305.876**, and if you desaturate by 10%, it is **38, 47.993, 303.692**.

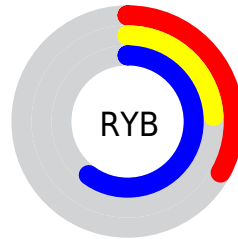
Distribution



Red (33%)

Green (24%)

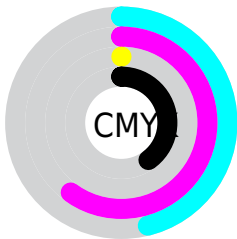
Blue (60%)



Red (33%)

Yellow (24%)

Blue (60%)

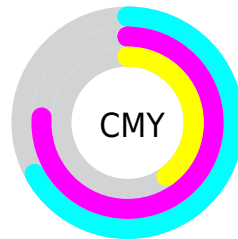


Cyan (46%)

Magenta (60%)

Yellow (0%)

Black (40%)



Cyan (67%)


Magenta (76%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 58.218, 304.794 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, 58.218, 304.794 by changing the saturation by 10% instead.


 33, 58.218,
304.794


 33, 58.218,
304.794

 100, 58.218,
304.794


 23, 58.218,
304.794

 53, 58.218,
304.794

 13, 58.218,
304.794


 63, 58.218,
304.794

 3, 58.218, 304.794

 73, 58.218,
304.794

 0, 58.218, 304.794

 83, 58.218,
304.794

 93, 58.218,
304.794

■ 33, 58.218,
304.794

■ 33, 58.218,
304.794

■ 28, 68.202,
305.876

■ 38, 47.993,
303.692

■ 24, 77.331,
306.806

■ 43, 37.863,
302.643

■ 21, 84.668,
307.398

■ 48, 27.985,
301.686

■ 19, 89.933,
307.707

■ 53, 18.425,
300.831

■ 58, 9.199, 300.079

■ 63, 0.305, 299.358

■ 69, 8.273, 118.860

■ 74, 16.550,
118.367

■ 79, 24.545,
117.943

Harmonies

Complementary

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



33, 58.218, 304.794



60, 50.175, 115.877

Rectangle

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



33, 58.218, 304.794



33, 58.218, 354.794



33, 58.218, 124.794



33, 58.218, 174.794

Sweetspot

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



33, 58.218, 304.795



70, 20.204, 300.674



52, 24.073, 229.589



35, 14.222, 300.892



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



33, 58.218, 304.795



37, 86.760, 306.188



39, 59.031, 319.110



30, 4.987, 300.000



17, 83.854, 307.773



0, 5.307, 299.252

Inverse Universe

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



41, 51.865, 336.117



50, 72.684, 337.279



58, 57.105, 133.637



30, 5.036, 332.394



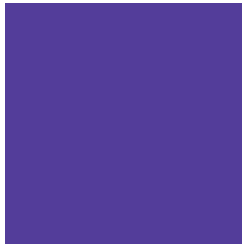
31, 61.979, 340.143



1, 5.358, 332.321

Previews

White Background



This preview shows how the CIELCh color 33, 58.218, 304.794 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 CIE LCh color 33, 58.218, 304.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

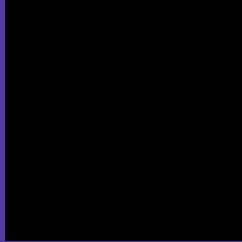
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 58.218, 304.794

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.218, 304.794.



This preview shows how white text looks on a background with the CIELCh color 33, 58.218, 304.794.

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, 58.218, 304.794

Deuteranopia

33, 39.222, 275.259

Tritanopia

33, 7.298, 236.126

Trichromacy



Original Color
33, 58.218, 304.794

Deuteranomaly
32, 45.754, 285.837

Tritanomaly
32, 24.032, 293.422

Monochromacy



Original Color
33, 58.218, 304.794

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 21.783, 301.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.218, 304.794 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(83, 61, 154)` looks like.

```
.text, #text, p{  
    color:rgb(83, 61, 154)  
}
```

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(83, 61, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 61, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.218, 304.794 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(83, 61, 154) }
```

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

```
.border{ border-color:rgb(83, 61, 154) }
```

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

Here you see how a box with a 4 pixel rgb(83, 61, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 61, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 61, 154);  
box-shadow:4px 4px 4px 4px rgb(83, 61,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.218, 304.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 61, 154) }
```

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

```
.background{ background-color: rgb(83, 61,  
154) }
```

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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