

Converting Colors

CIELCh(33, 59.001, 355.366)

Have a look what the booklet for
CIELCh(33, 59.001, 355.366)
contains.

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Color

CIELCh(33, 59.125, 355.499)

Conversions

Conversions Part 1

Format	Color
Hex	9A0057
RGB	154, 0, 87
RGB Percent	60%, 0%, 34%
CMY	0.3971, 0.9983, 0.6597
CMYK	0.00, 1.00, 0.44, 0.40
HSL	326°, 99%, 30%
HSV	326°, 100%, 60%
XYZ	14.9914, 7.5373, 9.6346
YIQ	55.9640, 63.8570, 59.7050

Conversions

Conversions Part 2

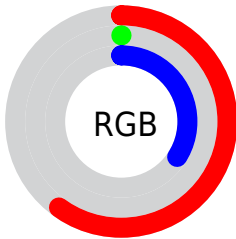
Format	Color
R_{YB}	154, 0, 87
Decimal	10092631
CIE _{Lab}	33.00, 58.94, -4.64
CIE _{LCh}	33, 59.125, 355.499
Yxy	7.5373, 0.4661, 0.2343
Android (android.graphics.Color)	4288282711 (0xFF9A0057)
YUV	55.9640, 15.3007, 85.9776
Hunter-Lab	27.4541, 49.4256, -1.5891

Details

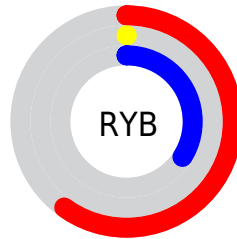
The CIELCh color **33, 59.125, 355.499** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **56, 64.355, 146.585**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 59.239, 355.303**, and **19, 41.603, 5.162** is the 20% darker color. If you saturate the color by 10%, you get **33, 59.158, 355.584**, and if you desaturate by 10%, it is **34, 57.887, 352.545**.

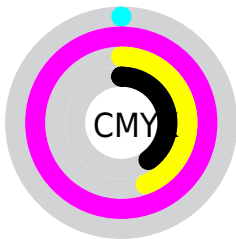
Distribution



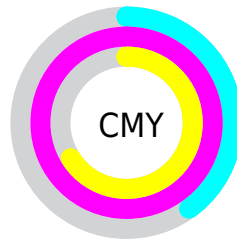
- Red (60%)
- Green (0%)
- Blue (34%)



- Red (60%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 59.125, 355.499 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, 59.125, 355.499 by changing the saturation by 10% instead.

 33, 59.125,
355.499

 33, 59.125,
355.499

 100, 59.125,
355.499

 23, 59.125,
355.499

 53, 59.125,
355.499

 13, 59.125,
355.499

 63, 59.125,
355.499

 3, 59.125, 355.499

 73, 59.125,
355.499

 0, 59.125, 355.499

 83, 59.125,
355.499

 93, 59.125,
355.499

■ 33, 59.125,
355.499

■ 33, 59.125,
355.499

■ 33, 59.158,
355.584

■ 34, 57.887,
352.545

■ 36, 55.332,
350.064

■ 38, 51.084,
348.073

■ 40, 45.394,
346.446

■ 44, 38.637,
345.083

■ 47, 31.193,
343.911

■ 51, 23.383,
342.880

■ 55, 15.446,

341.953

■ 59, 7.547, 341.097

Harmonies

Complementary

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



33, 59.125, 355.499



56, 64.355, 146.585

Rectangle

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



33, 59.125, 355.499



33, 59.125, 45.499



33, 59.125, 175.499



33, 59.125, 225.499

Sweetspot

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



33, 59.122, 355.500



65, 29.120, 342.964



22, 86.459, 310.649



32, 19.814, 343.351



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, 59.122, 355.500



43, 71.379, 356.332



32, 68.616, 36.738



30, 4.369, 341.055



30, 55.393, 355.277



1, 4.647, 340.857

Inverse Universe

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



33, 59.122, 355.500



43, 71.379, 356.332



57, 36.341, 186.836



30, 4.369, 341.055



30, 55.393, 355.277



1, 4.647, 340.857

Previews

White Background



This preview shows how the CIELCh color 33, 59.125, 355.499 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, 59.125, 355.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

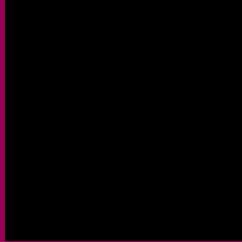
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 59.125, 355.499

Background



This preview shows how black text looks on a background with the CIELCh color 33, 59.125, 355.499.



This preview shows how white text looks on a background with the CIELCh color 33, 59.125, 355.499.

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, 59.267, 355.442

Protanopia

34, 28.953, 285.382

Deuteranopia

34, 4.985, 5.660



Tritanopia
34, 56.184, 31.856

Trichromacy



Original Color
33, 59.267, 355.442

Protanomaly
29, 41.684, 320.073

Deuteranomaly
30, 32.413, 348.973

Tritanomaly
33, 55.055, 17.748

Monochromacy



Original Color
33, 59.267, 355.442

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 30.362, 346.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 59.125, 355.499 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(154, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 87)  
}
```

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(154, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 59.125, 355.499 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(154, 0, 87) }
```

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

```
.border{ border-color:rgb(154, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(154, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(154, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 59.125, 355.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 87) }
```

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

```
.background{ background-color: rgb(154, 0,  
87) }
```

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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