

Converting Colors

CIELCh(30, 65.369, 4.873)

Have a look what the booklet for
CIELCh(30, 65.369, 4.873) contains.

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Color

CIELCh(33, 58.269, 9.034)

Conversions

Conversions Part 1

Format	Color
Hex	9C0342
RGB	156, 3, 66
RGB Percent	61%, 1%, 26%
CMY	0.3874, 0.9898, 0.7415
CMYK	0.00, 0.98, 0.58, 0.39
HSL	335°, 97%, 31%
HSV	335°, 98%, 61%
XYZ	14.7601, 7.5373, 5.8188
YIQ	55.9290, 70.9650, 52.0290

Conversions

Conversions Part 2

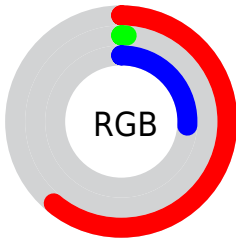
Format	Color
R_{YB}	156, 3, 66
Decimal	10224450
CIE Lab	33.00, 57.55, 9.15
CIE LCh	33, 58.269, 9.034
Yxy	7.5373, 0.5250, 0.2681
Android (android.graphics.Color)	4288414530 (0xFF9C0342)
YUV	55.9290, 4.9650, 87.7623
Hunter-Lab	27.4541, 47.9219, 6.6516

Details

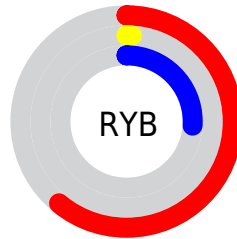
The CIELCh color **33, 58.269, 9.034** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **57, 55.220, 154.680**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 58.270, 8.600**, and **18, 43.352, 21.778** is the 20% darker color. If you saturate the color by 10%, you get **33, 58.645, 9.755**, and if you desaturate by 10%, it is **34, 56.066, 4.718**.

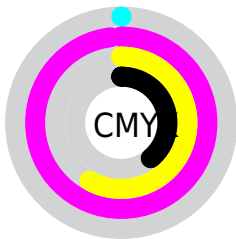
Distribution



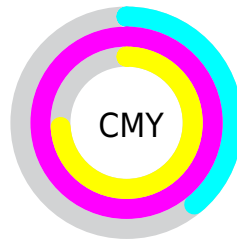
- Red (61%)
- Green (1%)
- Blue (26%)



- Red (61%)
- Yellow (1%)
- Blue (26%)



- Cyan (0%)
- Magenta (98%)
- Yellow (58%)
- Black (39%)



- Cyan (39%)
- Magenta (99%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 58.269, 9.034 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, 58.269, 9.034 by changing the saturation by 10% instead.

 33, 58.269, 9.034

 33, 58.269, 9.034

 100, 58.269, 9.034

 23, 58.269, 9.034

 53, 58.269, 9.034

 13, 58.269, 9.034

 63, 58.269, 9.034

 3, 58.269, 9.034

 73, 58.269, 9.034

 0, 58.269, 9.034

 83, 58.269, 9.034

 93, 58.269, 9.034

 33, 58.269, 9.034

 33, 58.269, 9.034

 33, 58.645, 9.755

 34, 56.066, 4.718

 36, 52.711, 1.145

■ 38, 47.961,
358.317

■ 41, 42.040,
356.066

■ 44, 35.294,
354.244

■ 48, 28.067,
352.734

■ 52, 20.641,
351.453

■ 56, 13.216,
350.340

■ 61, 5.925, 349.337

Harmonies

Complementary

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



33, 58.269, 9.034



57, 55.220, 154.680

Rectangle

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



33, 58.269, 9.034



33, 58.269, 59.034



33, 58.269, 189.034



33, 58.269, 239.034

Sweetspot

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



33, 58.266, 9.036



66, 27.205, 351.725



26, 84.232, 314.170



32, 18.559, 352.218



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, 58.266, 9.036



43, 71.586, 10.866



33, 70.061, 40.436



31, 4.064, 349.427



30, 54.894, 9.322



1, 5.175, 349.970

Inverse Universe

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



33, 58.266, 9.036



43, 71.586, 10.866



54, 31.347, 210.486



31, 4.064, 349.427



30, 54.894, 9.322



1, 5.175, 349.970

Previews

White Background



This preview shows how the CIELCh color 33, 58.269, 9.034 looks on a white background.

Color Contrast Check

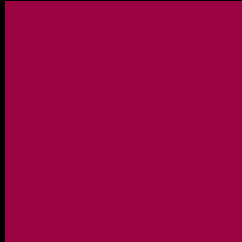
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.269, 9.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

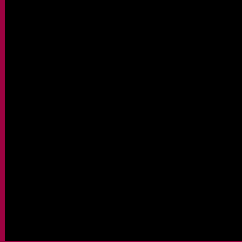
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 58.269, 9.034

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.269, 9.034.



This preview shows how white text looks on a background with the CIELCh color 33, 58.269, 9.034.

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, 58.152, 8.960

Protanopia

34, 10.067, 285.116

Deuteranopia

34, 14.304, 71.035



Tritanopia
34, 62.205, 34.892

Trichromacy



Original Color
33, 58.152, 8.960

Protanomaly
30, 30.063, 342.396

Deuteranomaly
30, 31.460, 12.876

Tritanomaly
33, 59.588, 25.858

Monochromacy



Original Color
33, 58.152, 8.960

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 28.048, 355.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.269, 9.034 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(156, 3, 66)` looks like.

```
.text, #text, p{  
    color:rgb(156, 3, 66)  
}
```

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(156, 3, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 3, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.269, 9.034 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(156, 3, 66) }
```

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

```
.border{ border-color:rgb(156, 3, 66) }
```

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

Here you see how a box with a 4 pixel rgb(156, 3, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 3, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 3, 66);  
box-shadow:4px 4px 4px 4px rgb(156, 3, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.269, 9.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 3, 66) }
```

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

```
.background{ background-color: rgb(156, 3,  
66) }
```

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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