

Converting Colors

CIELCh(36, 55.367, 349.109)

Have a look what the booklet for
CIELCh(36, 55.367, 349.109)
contains.

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Color

CIELCh(36, 55.611, 349.130)

Conversions

Conversions Part 1

Format	Color
Hex	9B2167
RGB	155, 33, 103
RGB Percent	61%, 13%, 40%
CMY	0.3927, 0.8713, 0.5966
CMYK	0.00, 0.79, 0.34, 0.39
HSL	326°, 65%, 37%
HSV	326°, 79%, 61%
XYZ	16.4694, 9.0082, 13.6686
YIQ	77.4580, 50.2420, 47.6340

Conversions

Conversions Part 2

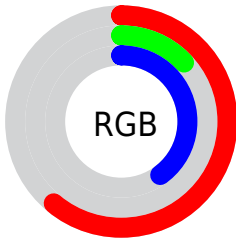
Format	Color
R_{YB}	155, 33, 103
Decimal	10166631
CIE _{Lab}	36.00, 54.61, -10.49
CIE _{LCh}	36, 55.611, 349.130
Yxy	9.0082, 0.4207, 0.2301
Android (android.graphics.Color)	4288356711 (0xFF9B2167)
YUV	77.4580, 12.5922, 68.0043
Hunter-Lab	30.0136, 45.4249, -5.9919

Details

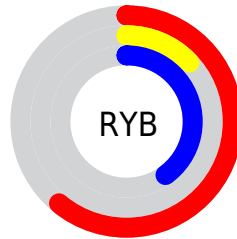
The CIELCh color **36, 55.611, 349.130** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **56, 55.876, 150.331**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 55.565, 349.157**, and **20, 43.494, 353.704** is the 20% darker color. If you saturate the color by 10%, you get **34, 58.317, 351.482**, and if you desaturate by 10%, it is **38, 51.192, 347.237**.

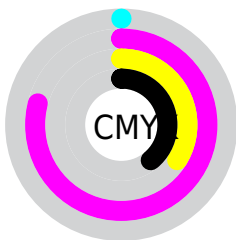
Distribution



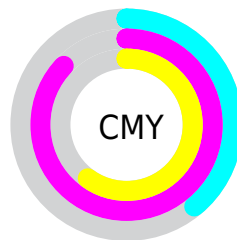
- Red (61%)
- Green (13%)
- Blue (40%)



- Red (61%)
- Yellow (13%)
- Blue (40%)



- Cyan (0%)
- Magenta (79%)
- Yellow (34%)
- Black (39%)





- Cyan (39%)
- Magenta (87%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 55.611, 349.130 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 36, 55.611, 349.130 by changing the saturation by 10% instead.


 36, 55.611,
349.130


 36, 55.611,
349.130

 100, 55.611,
349.130


 26, 55.611,
349.130

 56, 55.611,
349.130


 16, 55.611,
349.130


 66, 55.611,
349.130

 6, 55.611, 349.130

 76, 55.611,
349.130

 0, 55.611, 349.130

 86, 55.611,
349.130

 96, 55.611,
349.130

■ 36, 55.611,
349.130

■ 36, 55.611,
349.130

■ 34, 58.317,
351.482

■ 38, 51.192,
347.237

■ 33, 59.563,
354.319

■ 41, 45.342,
345.682

■ 33, 59.706,
354.664

■ 44, 38.441,
344.372

■ 48, 30.871,
343.238

■ 52, 22.949,
342.236

■ 56, 14.912,
341.330

■ 60, 6.920, 340.489

■ 64, 0.925, 160.123

Harmonies

Complementary

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



36, 55.611, 349.130



56, 55.876, 150.331

Rectangle

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



36, 55.611, 349.130



36, 55.611, 39.130



36, 55.611, 169.130



36, 55.611, 219.130

Sweetspot

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



36, 55.608, 349.131



68, 23.663, 341.833



28, 74.963, 310.480



34, 16.405, 342.141



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 55.608, 349.131



44, 71.985, 353.797



34, 55.964, 27.449



30, 4.402, 340.523



30, 55.619, 354.346



1, 4.682, 340.334

Inverse Universe

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



36, 55.608, 349.131



44, 71.985, 353.797



58, 34.386, 186.558



30, 4.402, 340.523



30, 55.619, 354.346



1, 4.682, 340.334

Previews

White Background



This preview shows how the CIELCh color 36, 55.611, 349.130 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 36, 55.611, 349.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

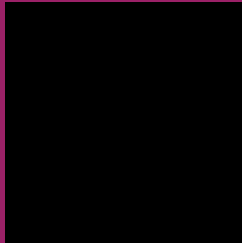
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 55.611, 349.130

Background



This preview shows how black text looks on a background with the CIELCh color 36, 55.611, 349.130.



This preview shows how white text looks on a background with the CIELCh color 36, 55.611, 349.130.

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
36, 55.611, 349.130

Protanopia
37, 33.605, 285.576

Deuteranopia
37, 8.349, 305.592



Tritanopia
36, 48.097, 27.200

Trichromacy



Original Color
36, 55.611, 349.130

Protanomaly
34, 39.221, 312.965

Deuteranomaly
34, 28.427, 336.942

Tritanomaly
36, 48.003, 12.137

Monochromacy



Original Color
36, 55.611, 349.130

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 24.138, 343.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 55.611, 349.130 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(155, 33, 103)` looks like.

```
.text, #text, p{  
    color:rgb(155, 33, 103)  
}
```

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(155, 33, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 33, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 55.611, 349.130 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(155, 33, 103) }
```

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

```
.border{ border-color:rgb(155, 33, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 33, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 33, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 33, 103);  
box-shadow:4px 4px 4px 4px rgb(155, 33,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 55.611, 349.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 33, 103) }
```

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

```
.background{ background-color: rgb(155, 33,  
103) }
```

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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