

Converting Colors

CIELCh(36, 53.006, 326.171)

Have a look what the booklet for
CIELCh(36, 53.006, 326.171)
contains.

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Color

CIELCh(36, 53.006, 326.171)

Conversions

Conversions Part 1

Format	Color
Hex	823685
RGB	130, 54, 133
RGB Percent	51%, 21%, 52%
CMY	0.4916, 0.7896, 0.4798
CMYK	0.02, 0.60, 0.00, 0.48
HSL	298°, 42%, 37%
HSV	298°, 60%, 52%
XYZ	14.6642, 9.0082, 23.0309
YIQ	85.7300, 19.9370, 40.6810

Conversions

Conversions Part 2

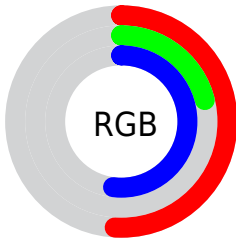
Format	Color
RYB	130, 54, 133
Decimal	8533637
CIELab	36.00, 44.03, -29.51
CIElCh	36, 53.006, 326.171
Yxy	9.0082, 0.3140, 0.1929
Android (android.graphics.Color)	4286723717 (0xFF823685)
YUV	85.7300, 23.3041, 38.8248
Hunter-Lab	30.0136, 34.6890, -24.4865

Details

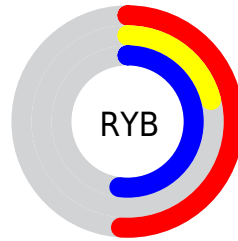
The CIELCh color **36, 53.006, 326.171** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **49, 53.272, 138.836**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 53.411, 326.020**, and **17, 51.264, 326.060** is the 20% darker color. If you saturate the color by 10%, you get **34, 59.759, 326.466**, and if you desaturate by 10%, it is **39, 45.145, 325.798**.

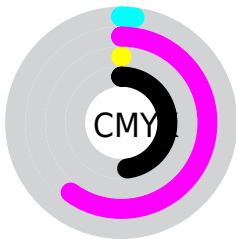
Distribution



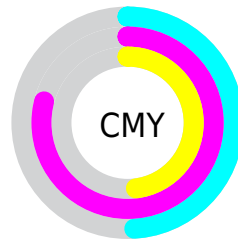
- Red (51%)
- Green (21%)
- Blue (52%)



- Red (51%)
- Yellow (21%)
- Blue (52%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (48%)





- Cyan (49%)
- Magenta (79%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 53.006, 326.171 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, 53.006, 326.171 by changing the saturation by 10% instead.


 36, 53.006,
326.171


 36, 53.006,
326.171

 100, 53.006,
326.171


 26, 53.006,
326.171

 56, 53.006,
326.171


 16, 53.006,
326.171


 66, 53.006,
326.171

 6, 53.006, 326.171

 76, 53.006,
326.171

 0, 53.006, 326.171

 86, 53.006,
326.171

 96, 53.006,
326.171

36, 53.006,
326.171

36, 53.006,
326.171

34, 59.759,
326.466

39, 45.145,
325.798

32, 65.082,
326.666

42, 36.523,
325.366

31, 68.746,
326.759

45, 27.443,
324.894

30, 71.157,
326.774

48, 18.151,
324.396

30, 71.265,
326.774

52, 8.825, 323.882

56, 0.408, 143.853

59, 9.468, 142.930

63, 18.307,
142.447

■ 67, 26.897,
141.991

Harmonies

Complementary

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



36, 53.006, 326.171



49, 53.272, 138.836

Rectangle

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



36, 53.006, 326.171



36, 53.006, 16.171



36, 53.006, 146.171



36, 53.006, 196.171

Sweetspot

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



36, 53.004, 326.171



63, 20.796, 324.339



28, 48.210, 297.287



31, 14.398, 324.466



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 53.004, 326.171



44, 74.905, 326.538



35, 39.940, 347.102



26, 5.210, 323.860



29, 70.251, 326.777



0, 1.241, 323.420

Inverse Universe

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



34, 37.514, 24.158



40, 56.570, 27.961



50, 38.499, 154.823



26, 3.051, 16.789



26, 60.970, 36.993



0, 0.709, 16.235

Previews

White Background



This preview shows how the CIELCh color 36, 53.006, 326.171 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, 53.006, 326.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

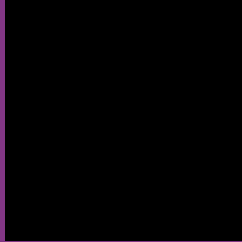
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 53.006, 326.171

Background



This preview shows how black text looks on a background with the CIELCh color 36, 53.006, 326.171.



This preview shows how white text looks on a background with the CIELCh color 36, 53.006, 326.171.

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, 53.006, 326.171

Protanopia

37, 47.785, 286.635

Deuteranopia

36, 26.388, 281.526



Tritanopia
36, 24.324, 16.463

Trichromacy



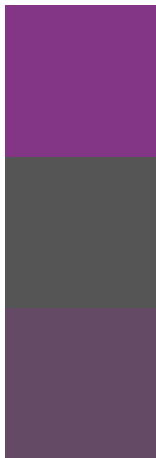
Original Color
36, 53.006, 326.171

Protanomaly
35, 48.544, 298.893

Deuteranomaly
35, 34.789, 304.494

Tritanomaly
36, 31.402, 347.078

Monochromacy



Original Color
36, 53.006, 326.171

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 20.569, 324.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 53.006, 326.171 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(130, 54, 133)` looks like.

```
.text, #text, p{  
    color:rgb(130, 54, 133)  
}
```

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(130, 54, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 54, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 53.006, 326.171 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(130, 54, 133) }
```

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

```
.border{ border-color:rgb(130, 54, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 54, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 54, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 54, 133);  
box-shadow:4px 4px 4px 4px rgb(130, 54,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 53.006, 326.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 54, 133) }
```

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

```
.background{ background-color: rgb(130, 54,  
133) }
```

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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