

Converting Colors

CIELCh(36, 52.928, 326.873)

Have a look what the booklet for
CIELCh(36, 52.928, 326.873)
contains.

CIELCh(36, 53.203, 326.966)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 53.203, 326.966)

Conversions

Conversions Part 1

Format	Color
Hex	833584
RGB	131, 53, 132
RGB Percent	51%, 21%, 52%
CMY	0.4869, 0.7927, 0.4829
CMYK	0.01, 0.60, 0.00, 0.48
HSL	299°, 43%, 36%
HSV	299°, 60%, 52%
XYZ	14.7580, 9.0082, 22.7385
YIQ	85.3280, 21.1290, 41.1050

Conversions

Conversions Part 2

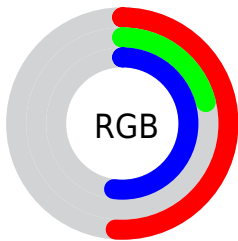
Format	Color
R_{YB}	131, 53, 132
Decimal	8598916
CIE _{Lab}	36.00, 44.60, -29.00
CIE _{LCh}	36, 53.203, 326.966
Yxy	9.0082, 0.3173, 0.1937
Android (android.graphics.Color)	4286788996 (0xFF833584)
YUV	85.3280, 23.0093, 40.0543
Hunter-Lab	30.0136, 35.2466, -23.9090

Details

The CIELCh color **36, 53.203, 326.966** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **49, 53.631, 139.261**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 53.291, 327.100**, and **17, 50.770, 326.910** is the 20% darker color. If you saturate the color by 10%, you get **34, 59.822, 327.286**, and if you desaturate by 10%, it is **39, 45.442, 326.574**.

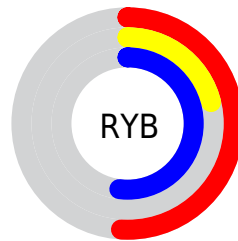
Distribution



Red (51%)

Green (21%)

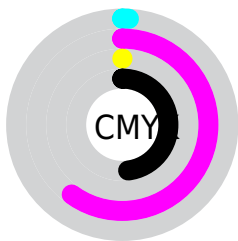
Blue (52%)



Red (51%)

Yellow (21%)

Blue (52%)

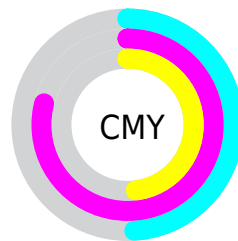


Cyan (1%)

Magenta (60%)

Yellow (0%)

Black (48%)



Cyan (49%)


Magenta (79%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 53.203, 326.966 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, 53.203, 326.966 by changing the saturation by 10% instead.


 36, 53.203,
326.966


 36, 53.203,
326.966

 100, 53.203,
326.966


 26, 53.203,
326.966

 56, 53.203,
326.966


 16, 53.203,
326.966


 66, 53.203,
326.966

 6, 53.203, 326.966

 76, 53.203,
326.966

 0, 53.203, 326.966

 86, 53.203,
326.966

 96, 53.203,
326.966

■ 36, 53.203,
326.966

■ 36, 53.203,
326.966

■ 34, 59.822,
327.286

■ 39, 45.442,
326.574

■ 32, 64.992,
327.521

■ 41, 36.882,
326.126

■ 31, 68.510,
327.664

■ 45, 27.829,
325.639

■ 30, 70.842,
327.743

■ 48, 18.536,
325.127

■ 30, 70.863,
327.744

■ 51, 9.190, 324.598

■ 55, 0.075, 146.605

■ 59, 9.173, 143.613

■ 63, 18.050,
143.111

■ 66, 26.678,
142.637

Harmonies

Complementary

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



36, 53.203, 326.966



49, 53.631, 139.261

Rectangle

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



36, 53.203, 326.966



36, 53.203, 16.966



36, 53.203, 146.966



36, 53.203, 196.966

Sweetspot

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



36, 53.201, 326.966



62, 20.700, 325.048



27, 50.125, 298.555



31, 14.505, 325.181



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, 53.201, 326.966



44, 74.840, 327.384



34, 39.266, 349.213



26, 5.251, 324.556



30, 70.161, 327.744



0, 1.251, 324.101

Inverse Universe

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



33, 37.947, 26.034



40, 57.464, 29.966



49, 37.408, 156.392



26, 3.049, 18.847



26, 61.730, 38.008



0, 0.707, 18.345

Previews

White Background



This preview shows how the CIE LCh color 36, 53.203, 326.966 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, 53.203, 326.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

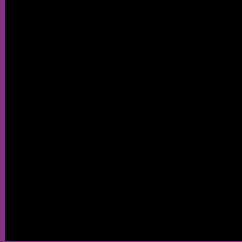
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 53.203, 326.966

Background



This preview shows how black text looks on a background with the CIELCh color 36, 53.203, 326.966.



This preview shows how white text looks on a background with the CIELCh color 36, 53.203, 326.966.

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, 53.203, 326.966

Protanopia

36, 47.204, 286.363

Deuteranopia

36, 25.797, 281.065



Tritanopia
36, 25.289, 16.952

Trichromacy



Original Color
36, 53.203, 326.966

Protanomaly
35, 47.948, 298.847

Deuteranomaly
35, 34.894, 305.089

Tritanomaly
36, 32.044, 348.238

Monochromacy



Original Color
36, 53.203, 326.966

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 21.510, 325.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 53.203, 326.966 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(131, 53, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 53, 132)  
}
```

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(131, 53, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 53, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 53.203, 326.966 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(131, 53, 132) }
```

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

```
.border{ border-color:rgb(131, 53, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 53, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 53, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 53, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 53,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 53.203, 326.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 53, 132) }
```

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

```
.background{ background-color: rgb(131, 53,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor