

Converting Colors

CIELCh(28, 52.930, 356.485)

Have a look what the booklet for
CIELCh(28, 52.930, 356.485)
contains.

CIELCh(28, 53.074, 356.344)	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(28, 53.074, 356.344)

Conversions

Conversions Part 1

Format	Color
Hex	850049
RGB	133, 0, 73
RGB Percent	52%, 0%, 29%
CMY	0.4787, 1.0000, 0.7140
CMYK	0.00, 1.00, 0.45, 0.48
HSL	327°, 100%, 26%
HSV	327°, 100%, 52%
XYZ	10.8596, 5.4574, 6.7734
YIQ	48.0890, 55.8350, 50.8990

Conversions

Conversions Part 2

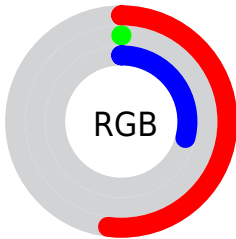
Format	Color
RYB	133, 0, 73
Decimal	8716361
CIELab	28.00, 52.97, -3.38
CIELCh	28, 53.074, 356.344
Yxy	5.4574, 0.4703, 0.2363
Android (android.graphics.Color)	4286906441 (0xFF850049)
YUV	48.0890, 12.2811, 74.4669
Hunter-Lab	23.3610, 42.0957, -0.8381

Details

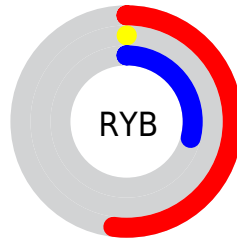
The CIELCh color **28, 53.074, 356.344** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **48, 56.806, 147.499**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 53.193, 356.682**, and **14, 35.481, 7.347** is the 20% darker color. If you saturate the color by 10%, you get **28, 53.049, 356.355**, and if you desaturate by 10%, it is **29, 51.615, 353.438**.

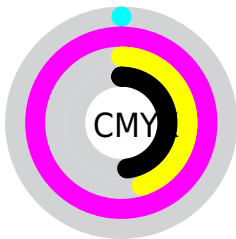
Distribution



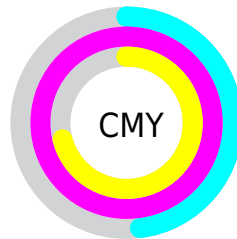
- Red (52%)
- Green (0%)
- Blue (29%)



- Red (52%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (48%)




- Cyan (48%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 53.074, 356.344 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 28, 53.074, 356.344 by changing the saturation by 10% instead.

 28, 53.074,
356.344

 28, 53.074,
356.344

 100, 53.074,
356.344

 18, 53.074,
356.344


 48, 53.074,
356.344

 8, 53.074, 356.344

 58, 53.074,
356.344

 0, 53.074, 356.344

 68, 53.074,
356.344

 78, 53.074,
356.344

 88, 53.074,
356.344

 98, 53.074,

356.344

■ 28, 53.074,
356.344

■ 28, 53.074,
356.344

■ 28, 53.049,
356.355

■ 29, 51.615,
353.438

■ 30, 49.200,
350.922

■ 32, 45.330,
348.900

■ 35, 40.232,
347.248

■ 38, 34.230,
345.866

■ 41, 27.649,
344.680

■ 44, 20.763,
343.638

■ 48, 13.775,
342.704

■ 52, 6.827, 341.843

Harmonies

Complementary

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



28, 53.074, 356.344



48, 56.806, 147.499

Rectangle

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



28, 53.074, 356.344



28, 53.074, 46.344



28, 53.074, 176.344



28, 53.074, 226.344

Sweetspot

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



28, 53.049, 356.355



57, 25.802, 343.705



19, 77.506, 311.125



27, 17.532, 344.066



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 53.049, 356.355



37, 64.238, 357.263



27, 61.713, 36.675



26, 3.839, 341.769



27, 52.234, 356.272



0, 0.911, 341.113

Inverse Universe

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



28, 53.049, 356.355



37, 64.238, 357.263



50, 32.168, 189.196



26, 3.839, 341.769



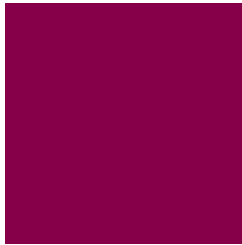
27, 52.234, 356.272



0, 0.911, 341.113

Previews

White Background



This preview shows how the CIE LCh color 28, 53.074, 356.344 looks on a white background.

Color Contrast Check

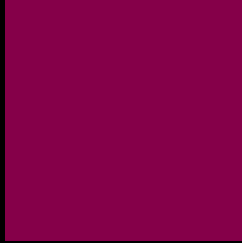
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 53.074, 356.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

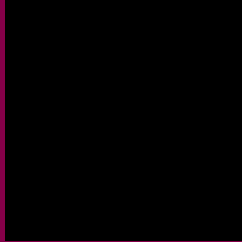
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 53.074, 356.344

Background



This preview shows how black text looks on a background with the CIELCh color 28, 53.074, 356.344.



This preview shows how white text looks on a background with the CIELCh color 28, 53.074, 356.344.

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

28, 53.074, 356.344

Protanopia

29, 23.882, 285.524

Deuteranopia

29, 4.539, 20.111



Tritanopia
29, 50.501, 32.172

Trichromacy



Original Color
28, 53.074, 356.344

Protanomaly
25, 35.700, 322.156

Deuteranomaly
26, 28.219, 350.473

Tritanomaly
28, 49.729, 18.406

Monochromacy



Original Color
28, 53.074, 356.344

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 26.629, 347.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 53.074, 356.344 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(133, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 73)  
}
```

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(133, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 53.074, 356.344 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(133, 0, 73) }
```

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

```
.border{ border-color:rgb(133, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(133, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 53.074, 356.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 73) }
```

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

```
.background{ background-color: rgb(133, 0,  
73) }
```

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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