

Converting Colors

CIELCh(36, 79.248, 328.232)

Have a look what the booklet for
CIELCh(36, 79.248, 328.232)
contains.

CIELCh(36, 78.927, 328.233)	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, 78.927, 328.233)

Conversions

Conversions Part 1

Format	Color
Hex	990099
RGB	153, 0, 153
RGB Percent	60%, 0%, 60%
CMY	0.4014, 1.0000, 0.4013
CMYK	0.00, 1.00, 0.00, 0.40
HSL	300°, 100%, 30%
HSV	300°, 100%, 60%
XYZ	18.7840, 9.0082, 30.7430
YIQ	63.1890, 42.0750, 80.0190

Conversions

Conversions Part 2

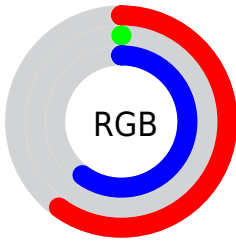
Format	Color
R_{YB}	153, 0, 153
Decimal	10027161
CIE _{Lab}	36.00, 67.10, -41.55
CIE _{LCh}	36, 78.927, 328.233
Yxy	9.0082, 0.3209, 0.1539
Android (android.graphics.Color)	4288217241 (0xFF990099)
YUV	63.1890, 44.2768, 78.7642
Hunter-Lab	30.0136, 59.1902, -39.7214

Details

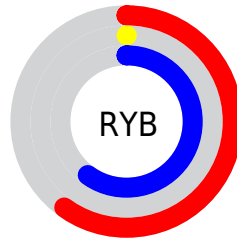
The CIELCh color **36, 78.927, 328.233** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **55, 81.673, 136.015**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 79.067, 328.241**, and **22, 58.671, 326.761** is the 20% darker color. If you saturate the color by 10%, you get **36, 78.803, 328.228**, and if you desaturate by 10%, it is **37, 76.582, 328.132**.

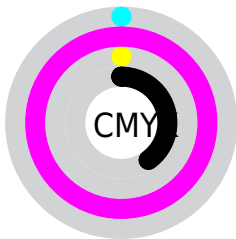
Distribution



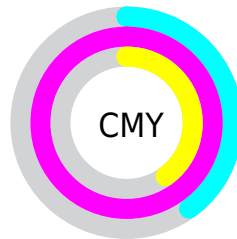
- Red (60%)
- Green (0%)
- Blue (60%)



- Red (60%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 78.927, 328.233 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, 78.927, 328.233 by changing the saturation by 10% instead.


 36, 78.927,
328.233


 36, 78.927,
328.233

 100, 78.927,
328.233


 26, 78.927,
328.233

 56, 78.927,
328.233


 16, 78.927,
328.233


 66, 78.927,
328.233

 6, 78.927, 328.233

 76, 78.927,
328.233

 0, 78.927, 328.233

 86, 78.927,
328.233

 96, 78.927,
328.233

■ 36, 78.927,
328.233

■ 36, 78.927,
328.233

■ 36, 78.803,
328.228

■ 37, 76.582,
328.132

■ 38, 72.887,
327.969

■ 40, 67.294,
327.720

■ 42, 60.006,
327.387

■ 45, 51.367,
326.983

■ 48, 41.767,
326.523

■ 51, 31.568,
326.023

■ 55, 21.069,

325.497

■ 59, 10.496,
324.953

Harmonies

Complementary

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



36, 78.927, 328.233



55, 81.673, 136.015

Rectangle

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



36, 78.927, 328.233



36, 78.927, 18.233



36, 78.927, 148.233



36, 78.927, 198.233

Sweetspot

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



36, 78.803, 328.228



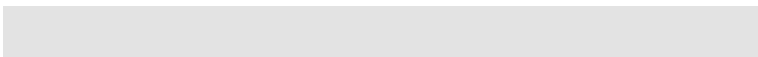
66, 39.152, 326.054



17, 90.408, 306.034



32, 26.582, 326.250



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



36, 78.803, 328.228



47, 95.848, 328.228



32, 58.057, 359.763



30, 5.940, 324.910



33, 74.069, 328.228



1, 6.386, 324.435

Inverse Universe

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



31, 70.804, 39.511



41, 86.726, 39.996



55, 61.290, 148.691



30, 3.439, 19.886



28, 66.109, 39.045



1, 3.595, 19.395

Previews

White Background



This preview shows how the CIELCh color 36, 78.927, 328.233 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, 78.927, 328.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

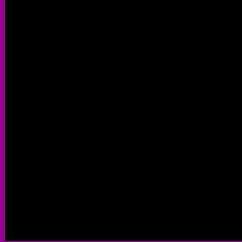
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 78.927, 328.233

Background



This preview shows how black text looks on a background with the CIELCh color 36, 78.927, 328.233.



This preview shows how white text looks on a background with the CIELCh color 36, 78.927, 328.233.

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, 78.927, 328.233

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 34.707, 278.766



Tritanopia
37, 38.672, 23.159

Trichromacy



Original Color
36, 78.927, 328.233



Protanomaly
30, 71.887, 301.448



Deuteranomaly
32, 57.441, 308.224



Tritanomaly
35, 50.578, 350.960

Monochromacy



Original Color
36, 78.927, 328.233



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 40.398, 327.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 78.927, 328.233 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(153, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 153)  
}
```

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(153, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 78.927, 328.233 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(153, 0, 153) }
```

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

```
.border{ border-color:rgb(153, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 78.927, 328.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 153) }
```

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

```
.background{ background-color: rgb(153, 0,  
153) }
```

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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