

Converting Colors

CIELCh(28, 33.617, 9.633)

Have a look what the booklet for
CIELCh(28, 33.617, 9.633) contains.

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Color

CIELCh(28, 33.479, 9.566)

Conversions

Conversions Part 1

Format	Color
Hex	712A3B
RGB	113, 42, 59
RGB Percent	44%, 16%, 23%
CMY	0.5576, 0.8359, 0.7692
CMYK	0.00, 0.63, 0.48, 0.56
HSL	346°, 46%, 30%
HSV	346°, 63%, 44%
XYZ	8.3947, 5.4574, 4.7283
YIQ	65.1670, 36.8590, 20.3390

Conversions

Conversions Part 2

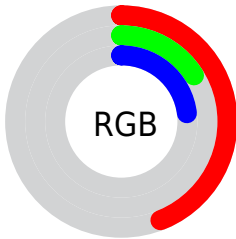
Format	Color
RYB	113, 42, 59
Decimal	7416379
CIELab	28.00, 33.01, 5.56
CIElCh	28, 33.479, 9.566
Yxy	5.4574, 0.4518, 0.2937
Android (android.graphics.Color)	4285606459 (0xFF712A3B)
YUV	65.1670, -3.0403, 41.9495
Hunter-Lab	23.3610, 23.2616, 4.3523

Details

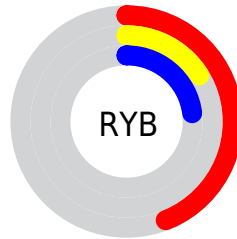
The CIELCh color **28, 33.479, 9.566** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **43, 26.740, 173.782**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.577, 9.567**, and **9, 30.573, 13.344** is the 20% darker color. If you saturate the color by 10%, you get **26, 38.330, 12.483**, and if you desaturate by 10%, it is **31, 28.201, 7.237**.

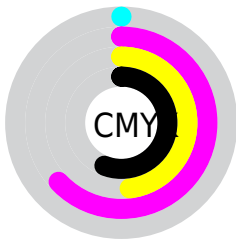
Distribution



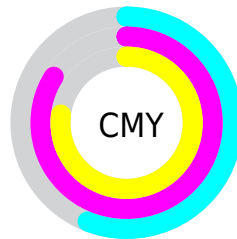
- Red (44%)
- Green (16%)
- Blue (23%)



- Red (44%)
- Yellow (16%)
- Blue (23%)



- Cyan (0%)
- Magenta (63%)
- Yellow (48%)
- Black (56%)



- Cyan (56%)
- Magenta (84%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 33.479, 9.566 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, 33.479, 9.566 by changing the saturation by 10% instead.

 28, 33.479, 9.566  28, 33.479, 9.566

 100, 33.479, 9.566  18, 33.479, 9.566

 48, 33.479, 9.566  8, 33.479, 9.566

 58, 33.479, 9.566  0, 33.479, 9.566


 68, 33.479, 9.566

 78, 33.479, 9.566

 88, 33.479, 9.566

 98, 33.479, 9.566

 28, 33.479, 9.566  28, 33.479, 9.566

 26, 38.330, 12.483  31, 28.201, 7.237

24, 42.576, 16.119

33, 22.710, 5.357

23, 46.154, 20.525

37, 17.181, 3.815

22, 48.738, 23.561

40, 11.743, 2.525

43, 6.479, 1.416

47, 1.430, 0.300

50, 3.384, 179.807

54, 7.965, 179.025

57, 12.321,
178.362

Harmonies

Complementary

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



28, 33.479, 9.566



43, 26.740, 173.782

Rectangle

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



28, 33.479, 9.566



28, 33.479, 59.566



28, 33.479, 189.566



28, 33.479, 239.566

Sweetspot

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



28, 33.477, 9.568



53, 12.072, 2.131



27, 47.656, 319.642



26, 8.293, 2.386



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



28, 33.477, 9.568



34, 48.816, 13.882



31, 30.234, 44.541



22, 2.784, 1.010



24, 51.019, 23.972



52, 89.320, 27.450

Inverse Universe

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



28, 33.477, 9.568



34, 48.816, 13.882



38, 19.386, 232.418



22, 2.784, 1.010



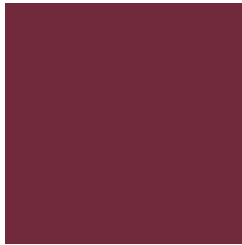
24, 51.019, 23.972



52, 89.320, 27.450

Previews

White Background



This preview shows how the CIELCh color 28, 33.479, 9.566 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, 33.479, 9.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

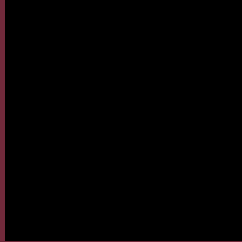
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 33.479, 9.566

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.479, 9.566.



This preview shows how white text looks on a background with the CIELCh color 28, 33.479, 9.566.

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, 33.479, 9.566

Protanopia

29, 3.230, 290.808

Deuteranopia

28, 8.950, 60.220



Tritanopia
28, 33.224, 23.756

Trichromacy



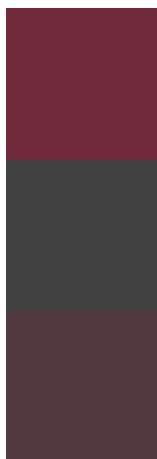
Original Color
28, 33.479, 9.566

Protanomaly
28, 13.112, 355.847

Deuteranomaly
28, 16.903, 22.637

Tritanomaly
28, 33.047, 18.697

Monochromacy



Original Color
28, 33.479, 9.566

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 12.154, 3.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.479, 9.566 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(113, 42, 59)` looks like.

```
.text, #text, p{  
    color:rgb(113, 42, 59)  
}
```

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(113, 42, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 42, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.479, 9.566 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(113, 42, 59) }
```

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

```
.border{ border-color:rgb(113, 42, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 42, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 42, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 42, 59);  
box-shadow:4px 4px 4px 4px rgb(113, 42,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.479, 9.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 42, 59) }
```

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

```
.background{ background-color: rgb(113, 42,  
59) }
```

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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