

Converting Colors

CIELCh(29, 27.577, 331.953)

Have a look what the booklet for
CIELCh(29, 27.577, 331.953)
contains.

CIELCh(29, 27.843, 331.949)	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(29, 27.843, 331.949)

Conversions

Conversions Part 1

Format	Color
Hex	603659
RGB	96, 54, 89
RGB Percent	38%, 21%, 35%
CMY	0.6237, 0.7884, 0.6512
CMYK	0.00, 0.44, 0.07, 0.62
HSL	310°, 28%, 29%
HSV	310°, 44%, 38%
XYZ	7.9361, 5.8380, 10.1484
YIQ	70.5480, 13.7970, 19.7890

Conversions

Conversions Part 2

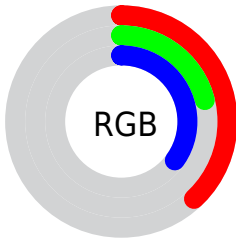
Format	Color
R_{YB}	96, 54, 89
Decimal	6305369
CIE _{Lab}	29.00, 24.57, -13.09
CIE _{LCh}	29, 27.843, 331.949
Yxy	5.8380, 0.3317, 0.2440
Android (android.graphics.Color)	4284495449 (0xFF603659)
YUV	70.5480, 9.0968, 22.3214
Hunter-Lab	24.1619, 16.3459, -7.9894

Details

The CIELCh color **29, 27.843, 331.949** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 27.821, 146.068**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 27.896, 332.311**, and **9, 27.637, 332.168** is the 20% darker color. If you saturate the color by 10%, you get **27, 33.655, 332.566**, and if you desaturate by 10%, it is **31, 21.650, 331.340**.

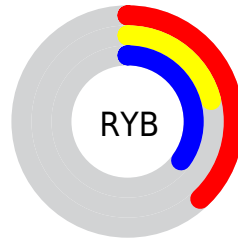
Distribution



Red (38%)

Green (21%)

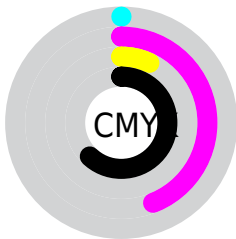
Blue (35%)



Red (38%)

Yellow (21%)

Blue (35%)

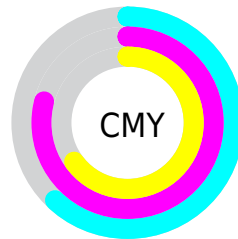


Cyan (0%)

Magenta (44%)

Yellow (7%)

Black (62%)



Cyan (62%)


Magenta (79%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 27.843, 331.949 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 29, 27.843, 331.949 by changing the saturation by 10% instead.

 29, 27.843,
331.949


 29, 27.843,
331.949

 100, 27.843,
331.949


 19, 27.843,
331.949


 49, 27.843,
331.949


 9, 27.843, 331.949

 59, 27.843,
331.949

 0, 27.843, 331.949

 69, 27.843,
331.949

 79, 27.843,
331.949

 89, 27.843,
331.949

 99, 27.843,

331.949

■ 29, 27.843,
331.949

■ 29, 27.843,
331.949

■ 27, 33.655,
332.566

■ 31, 21.650,
331.340

■ 25, 38.865,
333.192

■ 34, 15.261,
330.740

■ 23, 43.228,
333.832

■ 37, 8.812, 330.148

■ 22, 46.513,
334.497

■ 40, 2.399, 329.528

■ 21, 48.697,
335.195

■ 43, 3.915, 149.098

■ 20, 49.998,
335.619

■ 45, 10.091,
148.544

■ 48, 16.107,
148.033

■ 51, 21.953,
147.550

■ 54, 27.628,
147.092

Harmonies

Complementary

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



29, 27.843, 331.949



37, 27.821, 146.068

Rectangle

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



29, 27.843, 331.949



29, 27.843, 21.949



29, 27.843, 151.949



29, 27.843, 201.949

Sweetspot

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



29, 27.842, 331.949



48, 10.337, 330.126



25, 27.799, 300.112



24, 7.296, 330.223



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



29, 27.842, 331.949



35, 41.150, 332.619



28, 20.925, 357.397



18, 3.609, 329.858



25, 55.701, 335.783



55, 96.632, 336.350

Inverse Universe

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



29, 27.842, 331.949



35, 41.150, 332.619



37, 18.940, 168.351



18, 3.609, 329.858



25, 55.701, 335.783



55, 96.632, 336.350

Previews

White Background



This preview shows how the CIELCh color 29, 27.843, 331.949 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 29, 27.843, 331.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

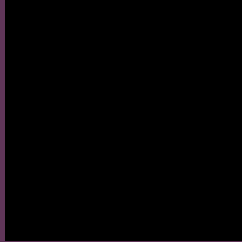
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 27.843, 331.949

Background



This preview shows how black text looks on a background with the CIELCh color 29, 27.843, 331.949.



This preview shows how white text looks on a background with the CIELCh color 29, 27.843, 331.949.

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

29, 27.843, 331.949

Protanopia

29, 20.681, 285.104

Deuteranopia

29, 12.228, 288.753



Tritanopia
29, 16.101, 11.199

Trichromacy



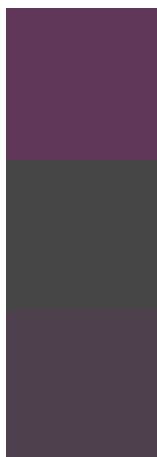
Original Color
29, 27.843, 331.949

Protanomaly
29, 21.645, 303.097

Deuteranomaly
29, 17.156, 312.314

Tritanomaly
29, 19.181, 351.304

Monochromacy



Original Color
29, 27.843, 331.949

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 10.611, 329.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 27.843, 331.949 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(96, 54, 89)` looks like.

```
.text, #text, p{  
    color:rgb(96, 54, 89)  
}
```

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(96, 54, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 54, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 27.843, 331.949 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(96, 54, 89) }
```

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

```
.border{ border-color:rgb(96, 54, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 54, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 54, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 54, 89);  
box-shadow:4px 4px 4px 4px rgb(96, 54, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 27.843, 331.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 54, 89) }
```

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

```
.background{ background-color: rgb(96, 54,  
89) }
```

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