

Converting Colors

CIELCh(28, 33.668, 314.493)

Have a look what the booklet for
CIELCh(28, 33.668, 314.493)
contains.

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Color

CIELCh(28, 33.302, 314.219)

Conversions

Conversions Part 1

Format	Color
Hex	533667
RGB	83, 54, 103
RGB Percent	33%, 21%, 40%
CMY	0.6745, 0.7882, 0.5961
CMYK	0.19, 0.48, 0.00, 0.60
HSL	276°, 31%, 31%
HSV	276°, 48%, 40%
XYZ	7.3356, 5.4574, 13.5000
YIQ	68.2570, 1.5550, 21.3870

Conversions

Conversions Part 2

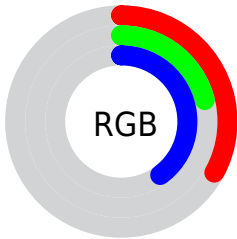
Format	Color
R_{YB}	83, 54, 103
Decimal	5453415
CIE _{Lab}	28.00, 23.22, -23.87
CIE _{LCh}	28, 33.302, 314.219
Yxy	5.4574, 0.2790, 0.2076
Android (android.graphics.Color)	4283643495 (0xFF533667)
YUV	68.2570, 17.1283, 12.9296
Hunter-Lab	23.3610, 15.1687, -17.9101

Details

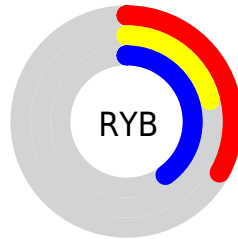
The CIELCh color **28, 33.302, 314.219** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **40, 31.678, 130.127**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **48, 32.818, 314.444**, and **8, 33.267, 313.962** is the 20% darker color. If you saturate the color by 10%, you get **25, 40.253, 314.605**, and if you desaturate by 10%, it is **31, 26.191, 313.790**.

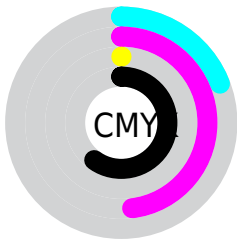
Distribution



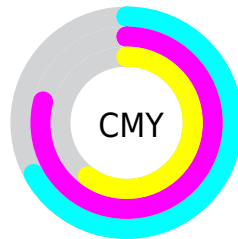
- Red (33%)
- Green (21%)
- Blue (40%)



- Red (33%)
- Yellow (21%)
- Blue (40%)



- Cyan (19%)
- Magenta (48%)
- Yellow (0%)
- Black (60%)





- Cyan (67%)
- Magenta (79%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 33.302, 314.219 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, 33.302, 314.219 by changing the saturation by 10% instead.

 28, 33.302,
314.219


 28, 33.302,
314.219

 100, 33.302,
314.219


 18, 33.302,
314.219


 48, 33.302,
314.219


 8, 33.302, 314.219

 58, 33.302,
314.219

 0, 33.302, 314.219

 68, 33.302,
314.219

 78, 33.302,
314.219

 88, 33.302,
314.219

 98, 33.302,

314.219

■ 28, 33.302,
314.219

■ 28, 33.302,
314.219

■ 25, 40.253,
314.605

■ 31, 26.191,
313.790

■ 22, 46.824,
314.904

■ 34, 19.069,
313.348

■ 20, 52.710,
315.057

■ 38, 12.028,
312.913

■ 18, 57.540,
314.993

■ 41, 5.123, 312.489

■ 16, 61.535,
314.794

■ 44, 1.616, 132.178

■ 48, 8.176, 131.777

■ 15, 62.584,
314.783

■ 51, 14.553,
131.450

■ 55, 20.747,
131.157

■ 58, 26.763,
130.895

Harmonies

Complementary

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



28, 33.302, 314.219



40, 31.678, 130.127

Rectangle

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



28, 33.302, 314.219



28, 33.302, 4.219



28, 33.302, 134.219



28, 33.302, 184.219

Sweetspot

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



28, 33.301, 314.219



51, 11.937, 312.778



31, 19.146, 271.961



25, 8.321, 312.847



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



28, 33.301, 314.219



33, 49.787, 314.643



30, 33.748, 329.323



19, 3.775, 312.546



18, 67.628, 314.649



42, 117.866, 314.000

Inverse Universe

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



29, 24.682, 354.079



36, 36.570, 355.944



39, 33.864, 143.150



19, 2.807, 349.607



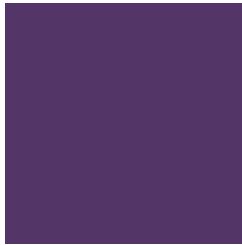
23, 46.856, 8.503



52, 81.606, 11.857

Previews

White Background



This preview shows how the CIELCh color 28, 33.302, 314.219 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, 33.302, 314.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

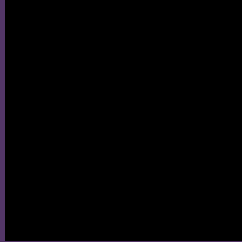
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 33.302, 314.219

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.302, 314.219.



This preview shows how white text looks on a background with the CIELCh color 28, 33.302, 314.219.

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, 33.302, 314.219

Protanopia

28, 31.184, 285.428

Deuteranopia

28, 22.985, 281.024



Tritanopia
28, 7.514, 355.408

Trichromacy



Original Color
28, 33.302, 314.219

Protanomaly
28, 31.073, 294.677

Deuteranomaly
28, 25.920, 294.979

Tritanomaly
28, 16.037, 324.382

Monochromacy



Original Color
28, 33.302, 314.219

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 12.434, 311.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.302, 314.219 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(83, 54, 103)` looks like.

```
.text, #text, p{  
    color:rgb(83, 54, 103)  
}
```

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(83, 54, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 54, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.302, 314.219 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(83, 54, 103) }
```

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

```
.border{ border-color:rgb(83, 54, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 54, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 54, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 54, 103);  
box-shadow:4px 4px 4px 4px rgb(83, 54,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.302, 314.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 54, 103) }
```

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

```
.background{ background-color: rgb(83, 54,  
103) }
```

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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