

Converting Colors

CIELCh(28, 31.866, 5.479)

Have a look what the booklet for
CIELCh(28, 31.866, 5.479) contains.

CIELCh(28, 31.949, 4.517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(28, 31.949, 4.517)

Conversions

Conversions Part 1

Format	Color
Hex	6E2B3F
RGB	110, 43, 63
RGB Percent	43%, 17%, 25%
CMY	0.5671, 0.8299, 0.7516
CMYK	0.00, 0.61, 0.43, 0.57
HSL	342°, 44%, 30%
HSV	342°, 61%, 43%
XYZ	8.2638, 5.4574, 5.3703
YIQ	65.3130, 33.5120, 20.4240

Conversions

Conversions Part 2

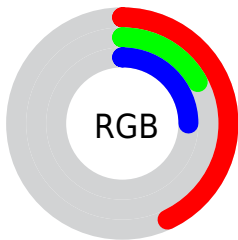
Format	Color
R_YB	110, 43, 63
Decimal	7220031
CIE Lab	28.00, 31.85, 2.52
CIE LCh	28, 31.949, 4.517
Yxy	5.4574, 0.4329, 0.2859
Android (android.graphics.Color)	4285410111 (0xFF6E2B3F)
YUV	65.3130, -1.1403, 39.1905
Hunter-Lab	23.3610, 22.2611, 2.7230

Details

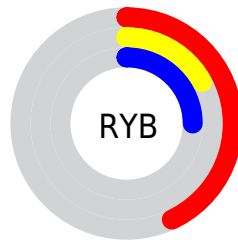
The CIELCh color **28, 31.949, 4.517** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **42, 26.926, 169.648**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 31.698, 5.030**, and **9, 29.400, 6.765** is the 20% darker color. If you saturate the color by 10%, you get **26, 36.625, 7.126**, and if you desaturate by 10%, it is **31, 26.812, 2.423**.

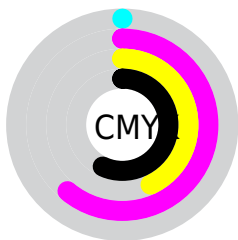
Distribution



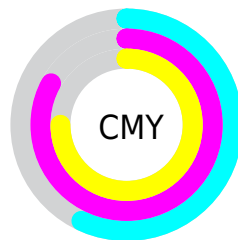
- Red (43%)
- Green (17%)
- Blue (25%)



- Red (43%)
- Yellow (17%)
- Blue (25%)



- Cyan (0%)
- Magenta (61%)
- Yellow (43%)
- Black (57%)



- Cyan (57%)
- Magenta (83%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 31.949, 4.517 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, 31.949, 4.517 by changing the saturation by 10% instead.

 28, 31.949, 4.517  28, 31.949, 4.517

 100, 31.949, 4.517  18, 31.949, 4.517

 48, 31.949, 4.517  8, 31.949, 4.517


 58, 31.949, 4.517  0, 31.949, 4.517

 68, 31.949, 4.517

 78, 31.949, 4.517

 88, 31.949, 4.517

 98, 31.949, 4.517

 28, 31.949, 4.517  28, 31.949, 4.517

 26, 36.625, 7.126  31, 26.812, 2.423

24, 40.639, 10.391

33, 21.437, 0.712

23, 43.864, 14.444

36, 15.999,
359.288

22, 46.702, 18.371

40, 10.625,
358.076

43, 5.397, 357.012

46, 0.358, 355.297

50, 4.472, 175.430

53, 9.089, 174.675

57, 13.501,
174.013

Harmonies

Complementary

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



28, 31.949, 4.517



42, 26.926, 169.648

Rectangle

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



28, 31.949, 4.517



28, 31.949, 54.517



28, 31.949, 184.517



28, 31.949, 234.517

Sweetspot

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



28, 31.947, 4.519



52, 11.355, 357.827



27, 45.178, 318.041



25, 7.867, 358.077



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



28, 31.947, 4.519



33, 46.212, 8.408



30, 29.205, 40.315



22, 2.860, 356.839



24, 49.640, 18.930



52, 86.318, 22.434

Inverse Universe

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



28, 31.947, 4.519



33, 46.212, 8.408



38, 18.661, 224.029



22, 2.860, 356.839



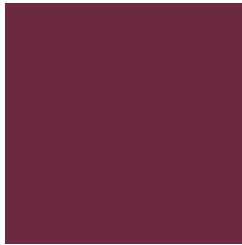
24, 49.640, 18.930



52, 86.318, 22.434

Previews

White Background



This preview shows how the CIELCh color 28, 31.949, 4.517 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, 31.949, 4.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

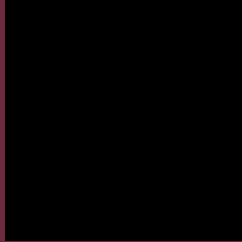
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 31.949, 4.517

Background



This preview shows how black text looks on a background with the CIELCh color 28, 31.949, 4.517.



This preview shows how white text looks on a background with the CIELCh color 28, 31.949, 4.517.

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, 31.949, 4.517

Protanopia

28, 7.122, 288.199

Deuteranopia

28, 6.094, 51.781



Tritanopia
28, 30.725, 22.761

Trichromacy



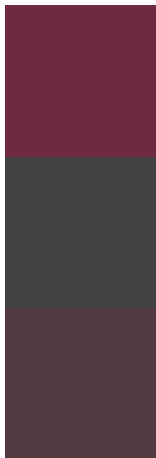
Original Color
28, 31.949, 4.517

Protanomaly
28, 13.906, 341.616

Deuteranomaly
28, 15.223, 12.771

Tritanomaly
28, 31.026, 16.325

Monochromacy



Original Color
28, 31.949, 4.517

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 11.853, 359.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 31.949, 4.517 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(110, 43, 63)` looks like.

```
.text, #text, p{  
    color:rgb(110, 43, 63)  
}
```

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(110, 43, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 43, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 31.949, 4.517 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(110, 43, 63) }
```

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

```
.border{ border-color:rgb(110, 43, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 43, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 43, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 43, 63);  
box-shadow:4px 4px 4px 4px rgb(110, 43,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 31.949, 4.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 43, 63) }
```

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

```
.background{ background-color: rgb(110, 43,  
63) }
```

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