

Converting Colors

CIELCh(28, 32.718, 13.301)

Have a look what the booklet for
CIELCh(28, 32.718, 13.301) contains.

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Color

CIELCh(28, 32.666, 13.172)

Conversions

Conversions Part 1

Format	Color
Hex	702B38
RGB	112, 43, 56
RGB Percent	44%, 17%, 22%
CMY	0.5608, 0.8314, 0.7804
CMYK	0.00, 0.62, 0.50, 0.56
HSL	349°, 45%, 30%
HSV	349°, 62%, 44%
XYZ	8.2589, 5.4574, 4.3590
YIQ	65.1130, 36.9510, 18.6710

Conversions

Conversions Part 2

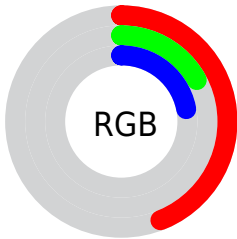
Format	Color
RYB	112, 43, 56
Decimal	7351096
CIELab	28.00, 31.81, 7.44
CIELCh	28, 32.666, 13.172
Yxy	5.4574, 0.4569, 0.3019
Android (android.graphics.Color)	4285541176 (0xFF702B38)
YUV	65.1130, -4.4927, 41.1199
Hunter-Lab	23.3610, 22.2242, 5.2896

Details

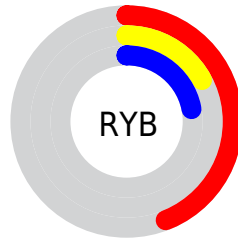
The CIELCh color **28, 32.666, 13.172** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **43, 25.062, 178.243**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 32.658, 13.042**, and **9, 30.452, 16.473** is the 20% darker color. If you saturate the color by 10%, you get **26, 37.791, 16.083**, and if you desaturate by 10%, it is **31, 27.230, 10.851**.

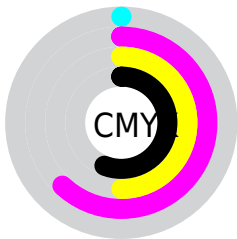
Distribution



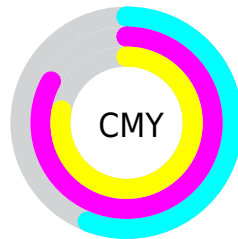
- Red (44%)
- Green (17%)
- Blue (22%)



- Red (44%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (62%)
- Yellow (50%)
- Black (56%)



- Cyan (56%)
- Magenta (83%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 32.666, 13.172 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, 32.666, 13.172 by changing the saturation by 10% instead.

■ 28, 32.666, 13.172

■ 28, 32.666, 13.172

■ 100, 32.666,
13.172

■ 18, 32.666, 13.172

■ 48, 32.666, 13.172

■ 8, 32.666, 13.172

■ 58, 32.666, 13.172

■ 0, 32.666, 13.172

■ 68, 32.666, 13.172

■ 78, 32.666, 13.172

■ 88, 32.666, 13.172

■ 98, 32.666, 13.172

■ 28, 32.666, 13.172

■ 28, 32.666, 13.172

26, 37.791, 16.083

31, 27.230, 10.851

24, 42.434, 19.696

33, 21.679, 8.984

23, 46.491, 24.052

37, 16.168, 7.463

22, 49.889, 27.600

40, 10.808, 6.199

43, 5.663, 5.118

47, 0.765, 3.838

50, 3.879, 183.584

54, 8.276, 182.853

57, 12.439,
182.232

Harmonies

Complementary

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



28, 32.666, 13.172



43, 25.062, 178.243

Rectangle

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



28, 32.666, 13.172



28, 32.666, 63.172



28, 32.666, 193.172



28, 32.666, 243.172

Sweetspot

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



28, 32.664, 13.174



53, 11.066, 5.845



28, 46.711, 321.167



26, 7.793, 6.107



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, 32.664, 13.174



33, 48.111, 17.557



32, 28.649, 48.902



22, 2.730, 4.852



24, 52.550, 28.051



52, 92.409, 31.364

Inverse Universe

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



28, 32.664, 13.174



33, 48.111, 17.557



36, 19.292, 240.077



22, 2.730, 4.852



24, 52.550, 28.051



52, 92.409, 31.364

Previews

White Background



This preview shows how the CIELCh color 28, 32.666, 13.172 looks on a white background.

Color Contrast Check

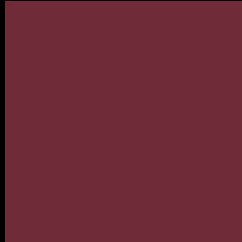
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.666, 13.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

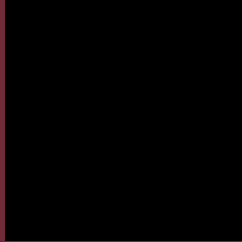
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 32.666, 13.172

Background



This preview shows how black text looks on a background with the CIELCh color 28, 32.666, 13.172.



This preview shows how white text looks on a background with the CIELCh color 28, 32.666, 13.172.

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, 32.666, 13.172

Protanopia

29, 0.791, 324.362

Deuteranopia

28, 9.893, 65.398



Tritanopia
28, 32.382, 24.425

Trichromacy



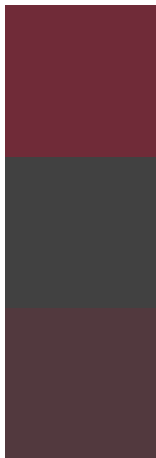
Original Color
28, 32.666, 13.172

Protanomaly
28, 12.568, 4.049

Deuteranomaly
27, 16.672, 26.864

Tritanomaly
28, 32.309, 20.333

Monochromacy



Original Color
28, 32.666, 13.172

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 12.029, 6.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 32.666, 13.172 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(112, 43, 56)` looks like.

```
.text, #text, p{  
    color:rgb(112, 43, 56)  
}
```

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(112, 43, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 43, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 32.666, 13.172 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(112, 43, 56) }
```

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

```
.border{ border-color:rgb(112, 43, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 43, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 43, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 43, 56);  
box-shadow:4px 4px 4px 4px rgb(112, 43,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 32.666, 13.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 43, 56) }
```

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

```
.background{ background-color: rgb(112, 43,  
56) }
```

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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