

Converting Colors

CIELCh(28, 17.840, 16.448)

Have a look what the booklet for
CIELCh(28, 17.840, 16.448) contains.

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Color

CIELCh(28, 17.659, 16.720)

Conversions

Conversions Part 1

Format	Color
Hex	5D383B
RGB	93, 56, 59
RGB Percent	36%, 22%, 23%
CMY	0.6357, 0.7807, 0.7690
CMYK	0.00, 0.40, 0.37, 0.64
HSL	355°, 25%, 29%
HSV	355°, 40%, 36%
XYZ	6.7022, 5.4574, 4.8265
YIQ	67.4050, 21.0890, 8.7770

Conversions

Conversions Part 2

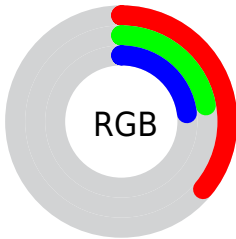
Format	Color
RYB	93, 56, 59
Decimal	6109243
CIELab	28.00, 16.91, 5.08
CIElCh	28, 17.659, 16.720
Yxy	5.4574, 0.3946, 0.3213
Android (android.graphics.Color)	4284299323 (0xFF5D383B)
YUV	67.4050, -4.1437, 22.4468
Hunter-Lab	23.3610, 10.3289, 4.1031

Details

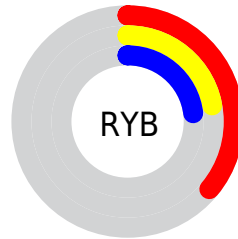
The CIELCh color **28, 17.659, 16.720** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **37, 14.204, 189.994**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 18.051, 16.194**, and **8, 17.594, 15.732** is the 20% darker color. If you saturate the color by 10%, you get **25, 22.616, 18.403**, and if you desaturate by 10%, it is **31, 12.864, 15.376**.

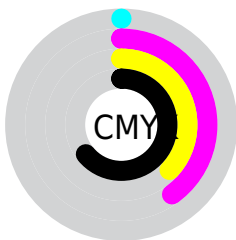
Distribution



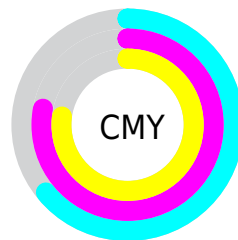
- Red (36%)
- Green (22%)
- Blue (23%)



- Red (36%)
- Yellow (22%)
- Blue (23%)



- Cyan (0%)
- Magenta (40%)
- Yellow (37%)
- Black (64%)



- Cyan (64%)
- Magenta (78%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 17.659, 16.720 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, 17.659, 16.720 by changing the saturation by 10% instead.

■ 28, 17.659, 16.720

■ 28, 17.659, 16.720

■ 100, 17.659,
16.720

■ 18, 17.659, 16.720

■ 48, 17.659, 16.720

■ 8, 17.659, 16.720

■ 58, 17.659, 16.720

■ 0, 17.659, 16.720

■ 68, 17.659, 16.720

■ 78, 17.659, 16.720

■ 88, 17.659, 16.720

■ 98, 17.659, 16.720

■ 28, 17.659, 16.720

■ 28, 17.659, 16.720

■ 25, 22.616, 18.403

■ 31, 12.864, 15.376

■ 23, 27.642, 20.511

■ 34, 8.296, 14.277

■ 21, 32.605, 23.148

■ 37, 3.982, 13.346

■ 19, 37.355, 26.388

■ 40, 0.072, 196.975

■ 18, 41.613, 29.868

■ 43, 3.874, 192.140

■ 17, 45.043, 31.365

■ 46, 7.441, 191.570

■ 17, 45.105, 31.378

■ 49, 10.792,
191.097

■ 52, 13.949,
190.689

■ 55, 16.933,
190.332

Harmonies

Complementary

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



28, 17.659, 16.720



37, 14.204, 189.994

Rectangle

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



28, 17.659, 16.720



28, 17.659, 66.720



28, 17.659, 196.720



28, 17.659, 246.720

Sweetspot

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



28, 17.658, 16.724



46, 6.054, 13.574



29, 27.176, 323.969



23, 4.057, 13.641



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



28, 17.658, 16.724



34, 26.858, 18.337



32, 14.480, 62.027



17, 2.244, 13.257



21, 51.881, 33.584



50, 95.637, 37.389

Inverse Universe

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



28, 17.658, 16.724



34, 26.858, 18.337



32, 12.330, 251.561



17, 2.244, 13.257



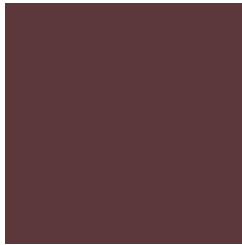
21, 51.881, 33.584



50, 95.637, 37.389

Previews

White Background



This preview shows how the CIELCh color 28, 17.659, 16.720 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 28, 17.659, 16.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

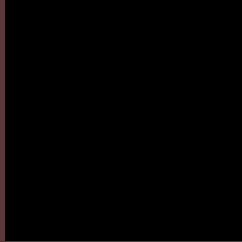
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 17.659, 16.720

Background



This preview shows how black text looks on a background with the CIELCh color 28, 17.659, 16.720.

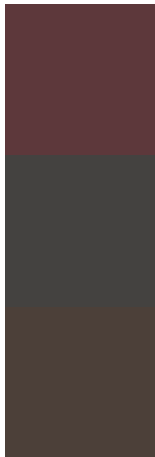


This preview shows how white text looks on a background with the CIELCh color 28, 17.659, 16.720.

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, 17.659, 16.720

Protanopia

28, 1.566, 74.682

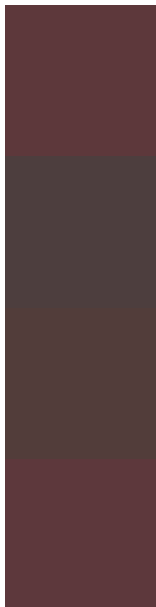
Deuteranopia

28, 7.309, 57.986



Tritanopia
28, 17.633, 14.658

Trichromacy



Original Color
28, 17.659, 16.720

Protanomaly
28, 6.967, 20.607

Deuteranomaly
28, 10.237, 31.879

Tritanomaly
28, 17.633, 14.658

Monochromacy



Original Color
28, 17.659, 16.720

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 6.002, 14.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 17.659, 16.720 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(93, 56, 59)` looks like.

```
.text, #text, p{  
    color:rgb(93, 56, 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(93, 56, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 56, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 17.659, 16.720 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(93, 56, 59) }
```

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

```
.border{ border-color:rgb(93, 56, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 56, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 56, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 56, 59);  
box-shadow:4px 4px 4px 4px rgb(93, 56, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 17.659, 16.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 56, 59) }
```

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

```
.background{ background-color: rgb(93, 56,  
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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