

Converting Colors

CIELCh(27, 27.870, 17.220)

Have a look what the booklet for
CIELCh(27, 27.870, 17.220) contains.

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Color

CIELCh(27, 27.547, 17.854)

Conversions

Conversions Part 1

Format	Color
Hex	672E34
RGB	103, 46, 52
RGB Percent	40%, 18%, 20%
CMY	0.5958, 0.8194, 0.7959
CMYK	0.00, 0.55, 0.49, 0.60
HSL	354°, 38%, 29%
HSV	354°, 55%, 40%
XYZ	7.2005, 5.0937, 3.8584
YIQ	63.7270, 32.0460, 13.9500

Conversions

Conversions Part 2

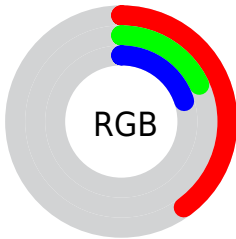
Format	Color
RYB	103, 46, 52
Decimal	6762036
CIELab	27.00, 26.22, 8.45
CIELCh	27, 27.547, 17.854
Yxy	5.0937, 0.4458, 0.3153
Android (android.graphics.Color)	4284952116 (0xFF672E34)
YUV	63.7270, -5.7814, 34.4424
Hunter-Lab	22.5692, 17.4526, 5.6622

Details

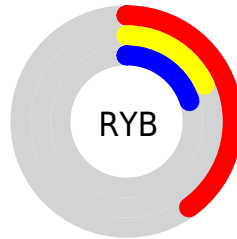
The CIELCh color **27, 27.547, 17.854** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 20.402, 186.531**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 27.615, 18.454**, and **7, 27.840, 17.850** is the 20% darker color. If you saturate the color by 10%, you get **25, 32.884, 20.339**, and if you desaturate by 10%, it is **30, 22.161, 15.879**.

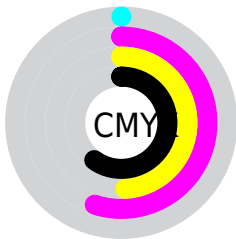
Distribution



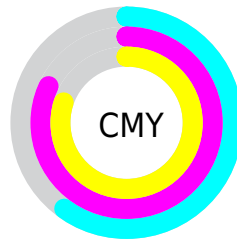
- Red (40%)
- Green (18%)
- Blue (20%)



- Red (40%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (55%)
- Yellow (49%)
- Black (60%)



- Cyan (60%)
- Magenta (82%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 27.547, 17.854 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 27, 27.547, 17.854 by changing the saturation by 10% instead.

■ 27, 27.547, 17.854

■ 27, 27.547, 17.854

■ 100, 27.547,
17.854

■ 17, 27.547, 17.854

■ 47, 27.547, 17.854

■ 7, 27.547, 17.854

■ 57, 27.547, 17.854

■ 0, 27.547, 17.854

■ 67, 27.547, 17.854

■ 77, 27.547, 17.854

■ 87, 27.547, 17.854

■ 97, 27.547, 17.854

■ 27, 27.547, 17.854

■ 27, 27.547, 17.854

25, 32.884, 20.339

30, 22.161, 15.879

23, 38.015, 23.429

33, 16.869, 14.297

21, 42.782, 27.166

36, 11.766, 13.016

20, 47.027, 30.919

39, 6.911, 11.954

20, 48.769, 31.814

42, 2.325, 10.995

45, 1.987, 190.574

48, 6.038, 189.839

52, 9.846, 189.279

55, 13.432,
188.799

Harmonies

Complementary

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



27, 27.547, 17.854



40, 20.402, 186.531

Rectangle

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



27, 27.547, 17.854



27, 27.547, 67.854



27, 27.547, 197.854



27, 27.547, 247.854

Sweetspot

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



27, 27.545, 17.857



50, 9.650, 12.171



28, 40.099, 323.562



25, 6.532, 12.312



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



27, 27.545, 17.857



33, 41.581, 21.087



32, 22.994, 57.203



19, 2.464, 11.347



22, 53.300, 33.020



51, 95.956, 36.346

Inverse Universe

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



27, 27.545, 17.857



33, 41.581, 21.087



33, 17.536, 250.736



19, 2.464, 11.347



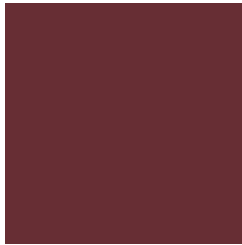
22, 53.300, 33.020



51, 95.956, 36.346

Previews

White Background



This preview shows how the CIELCh color 27, 27.547, 17.854 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 27, 27.547, 17.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

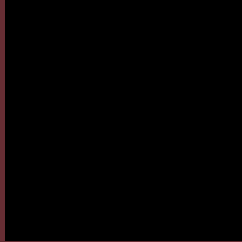
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 27.547, 17.854

Background



This preview shows how black text looks on a background with the CIELCh color 27, 27.547, 17.854.



This preview shows how white text looks on a background with the CIELCh color 27, 27.547, 17.854.

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

27, 27.547, 17.854

Protanopia

27, 2.371, 74.391

Deuteranopia

27, 10.974, 69.507



Tritanopia
27, 27.755, 20.472

Trichromacy



Original Color
27, 27.547, 17.854

Protanomaly
27, 10.918, 18.097

Deuteranomaly
27, 15.515, 36.290

Tritanomaly
27, 27.643, 19.168

Monochromacy



Original Color
27, 27.547, 17.854

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 9.998, 10.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 27.547, 17.854 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(103, 46, 52)` looks like.

```
.text, #text, p{  
    color:rgb(103, 46, 52)  
}
```

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(103, 46, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 46, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 27.547, 17.854 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(103, 46, 52) }
```

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

```
.border{ border-color:rgb(103, 46, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 46, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 46, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 46, 52);  
box-shadow:4px 4px 4px 4px rgb(103, 46,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 27.547, 17.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 46, 52) }
```

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

```
.background{ background-color: rgb(103, 46,  
52) }
```

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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