

Converting Colors

CIELCh(27, 15.401, 80.843)

Have a look what the booklet for
CIELCh(27, 15.401, 80.843) contains.

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Color

CIELCh(27, 15.180, 81.603)

Conversions

Conversions Part 1

Format	Color
Hex	4B3E29
RGB	75, 62, 41
RGB Percent	29%, 24%, 16%
CMY	0.7061, 0.7570, 0.8394
CMYK	0.00, 0.17, 0.45, 0.71
HSL	37°, 29%, 23%
HSV	37°, 45%, 29%
XYZ	5.0172, 5.0937, 2.8125
YIQ	63.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

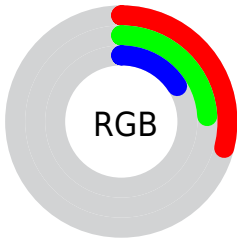
Format	Color
RYB	62, 75, 41
Decimal	4931113
CIELab	27.00, 2.22, 15.02
CIElCh	27, 15.180, 81.603
Yxy	5.0937, 0.3882, 0.3941
Android (android.graphics.Color)	4283121193 (0xFF4B3E29)
YUV	63.4930, -11.0890, 10.0916
Hunter-Lab	22.5692, 0.1849, 8.4100

Details

The CIELCh color **27, 15.180, 81.603** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 14.655, 274.066**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 15.387, 80.559**, and **7, 11.061, 76.547** is the 20% darker color. If you saturate the color by 10%, you get **26, 18.704, 80.331**, and if you desaturate by 10%, it is **28, 11.700, 82.851**.

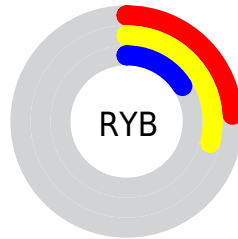
Distribution



Red (29%)

Green (24%)

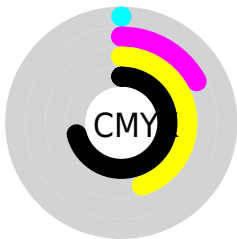
Blue (16%)



Red (24%)

Yellow (29%)

Blue (16%)

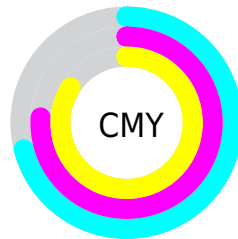


Cyan (0%)

Magenta (17%)

Yellow (45%)

Black (71%)



Cyan (71%)

Magenta (76%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 15.180, 81.603 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, 15.180, 81.603 by changing the saturation by 10% instead.

■ 27, 15.180, 81.603

■ 27, 15.180, 81.603

■ 100, 15.180,
81.603

■ 17, 15.180, 81.603

■ 47, 15.180, 81.603

■ 7, 15.180, 81.603

■ 57, 15.180, 81.603

■ 0, 15.180, 81.603

■ 67, 15.180, 81.603

■ 77, 15.180, 81.603

■ 87, 15.180, 81.603

■ 97, 15.180, 81.603

■ 27, 15.180, 81.603

■ 27, 15.180, 81.603

■ 26, 18.704, 80.331

■ 28, 11.700, 82.851

■ 25, 22.223, 79.009

■ 29, 8.288, 84.061

■ 24, 25.644, 77.613

■ 30, 4.956, 85.233

■ 23, 28.727, 76.047

■ 31, 1.704, 86.330

■ 22, 31.184, 74.284

■ 32, 1.468, 267.618

■ 22, 32.324, 73.553

■ 34, 4.566, 268.629

■ 35, 7.594, 269.650

■ 36, 10.559,
270.636

■ 37, 13.465,
271.581

Harmonies

Complementary

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



27, 15.180, 81.603



22, 14.655, 274.066

Rectangle

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



27, 15.180, 81.603



27, 15.180, 131.603



27, 15.180, 261.603



27, 15.180, 311.603

Sweetspot

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



27, 15.180, 81.608



39, 5.584, 85.329



21, 17.910, 355.121



19, 3.808, 85.199



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 15.180, 81.608



34, 22.584, 80.248



31, 21.170, 111.557



15, 1.816, 85.982



30, 42.035, 72.953



67, 76.339, 70.544

Inverse Universe

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



22, 14.655, 274.066



27, 21.683, 276.484



19, 23.456, 299.108



14, 1.809, 268.084



18, 43.343, 291.284



42, 84.508, 294.185

Previews

White Background



This preview shows how the CIELCh color 27, 15.180, 81.603 looks on a white background.

Color Contrast Check

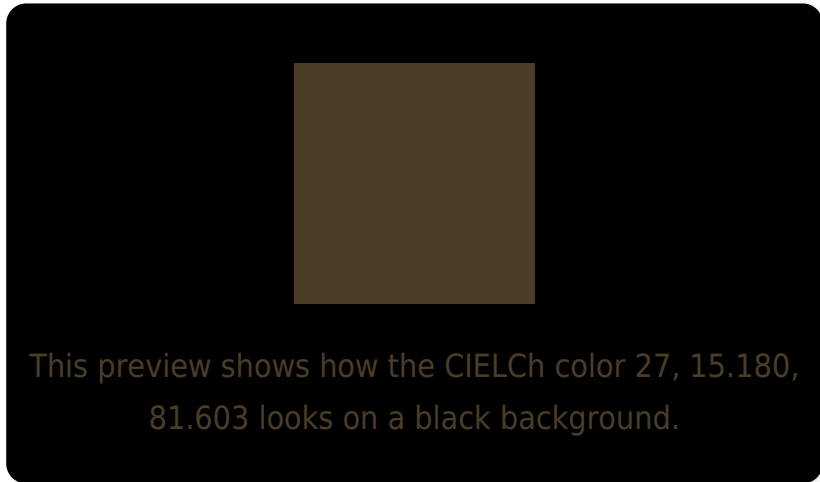
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

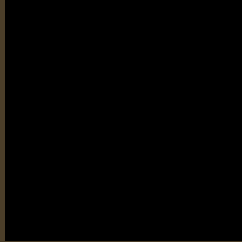
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 15.180, 81.603

Background



This preview shows how black text looks on a background with the CIELCh color 27, 15.180, 81.603.

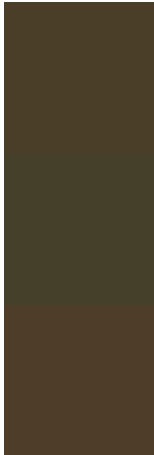


This preview shows how white text looks on a background with the CIELCh color 27, 15.180, 81.603.

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

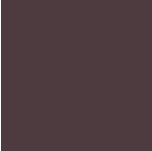
27, 15.180, 81.603

Protanopia

27, 14.369, 97.262

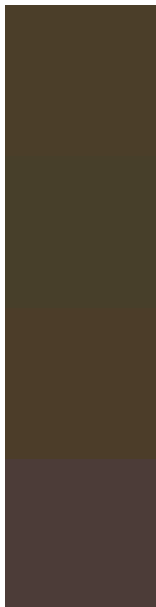
Deuteranopia

27, 15.448, 75.649



Tritanopia
27, 8.850, 359.684

Trichromacy



Original Color
27, 15.180, 81.603

Protanomaly
27, 14.155, 90.888

Deuteranomaly
27, 15.164, 77.261

Tritanomaly
27, 8.106, 39.169

Monochromacy



Original Color
27, 15.180, 81.603

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 5.522, 89.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 15.180, 81.603 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(75, 62, 41)` looks like.

```
.text, #text, p{  
    color:rgb(75, 62, 41)  
}
```

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(75, 62, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 62, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 15.180, 81.603 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(75, 62, 41) }
```

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

```
.border{ border-color:rgb(75, 62, 41) }
```

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

Here you see how a box with a 4 pixel rgb(75, 62, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 62, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 62, 41);  
box-shadow:4px 4px 4px 4px rgb(75, 62, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 15.180, 81.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 62, 41) }
```

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

```
.background{ background-color: rgb(75, 62,  
41) }
```

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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