

Converting Colors

CIELCh(27, 14.176, 17.233)

Have a look what the booklet for
CIELCh(27, 14.176, 17.233) contains.

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Color

CIELCh(27, 14.321, 17.081)

Conversions

Conversions Part 1

Format	Color
Hex	56383A
RGB	86, 56, 58
RGB Percent	34%, 22%, 23%
CMY	0.6632, 0.7808, 0.7730
CMYK	0.00, 0.35, 0.33, 0.66
HSL	356°, 21%, 28%
HSV	356°, 35%, 34%
XYZ	5.9953, 5.0937, 4.6547
YIQ	65.1980, 17.2380, 6.9820

Conversions

Conversions Part 2

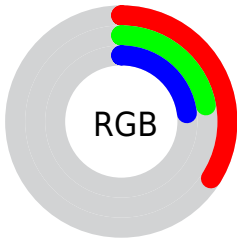
Format	Color
R_{YB}	86, 56, 58
Decimal	5650490
CIE _{Lab}	27.00, 13.69, 4.21
CIE _{LCh}	27, 14.321, 17.081
Yxy	5.0937, 0.3808, 0.3235
Android (android.graphics.Color)	4283840570 (0xFF56383A)
YUV	65.1980, -3.5486, 18.2434
Hunter-Lab	22.5692, 7.9209, 3.5704




Details

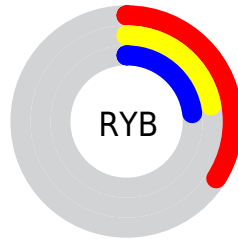
The CIELCh color **27, 14.321, 17.081** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 11.817, 191.660**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 14.567, 16.658**, and **7, 14.386, 18.755** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.918, 18.543**, and if you desaturate by 10%, it is **30, 9.920, 15.910**.

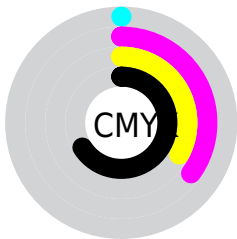
Distribution







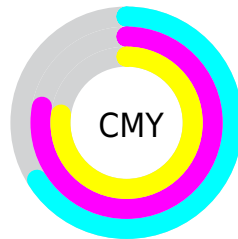
-  Red (34%)
-  Green (22%)
-  Blue (23%)






-  Red (34%)
-  Yellow (22%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (35%)
-  Yellow (33%)
-  Black (66%)



-  Cyan (66%)
-  Magenta (78%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 14.321, 17.081 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, 14.321, 17.081 by changing the saturation by 10% instead.

■ 27, 14.321, 17.081

■ 27, 14.321, 17.081

■ 100, 14.321,
17.081

■ 17, 14.321, 17.081

■ 47, 14.321, 17.081

■ 7, 14.321, 17.081

■ 57, 14.321, 17.081

■ 0, 14.321, 17.081

■ 67, 14.321, 17.081

■ 77, 14.321, 17.081

■ 87, 14.321, 17.081

■ 97, 14.321, 17.081

■ 27, 14.321, 17.081

■ 27, 14.321, 17.081

25, 18.918, 18.543

30, 9.920, 15.910

22, 23.647, 20.369

32, 5.755, 14.941

20, 28.402, 22.660

35, 1.838, 14.054

18, 33.054, 25.502

38, 1.834, 193.727

17, 37.386, 28.705

41, 5.275, 193.075

16, 40.781, 30.443

44, 8.503, 192.586

15, 42.388, 30.702

47, 11.538,
192.174

49, 14.399,
191.816

52, 17.106,
191.503

Harmonies

Complementary

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



27, 14.321, 17.081



34, 11.817, 191.660

Rectangle

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



27, 14.321, 17.081



27, 14.321, 67.081



27, 14.321, 197.081



27, 14.321, 247.081

Sweetspot

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



27, 14.320, 17.085



44, 4.739, 14.543



28, 22.482, 324.235



21, 3.207, 14.614



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



27, 14.320, 17.085



33, 21.972, 18.305



31, 11.759, 64.339



16, 2.133, 14.409



21, 51.178, 33.906



49, 95.515, 37.935

Inverse Universe

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



27, 14.320, 17.085



33, 21.972, 18.305



30, 10.353, 252.670



16, 2.133, 14.409



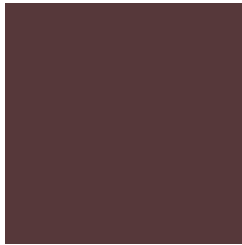
21, 51.178, 33.906



49, 95.515, 37.935

Previews

White Background



This preview shows how the CIELCh color 27, 14.321, 17.081 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, 14.321, 17.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

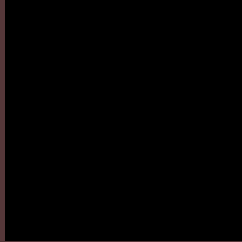
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 14.321, 17.081

Background



This preview shows how black text looks on a background with the CIELCh color 27, 14.321, 17.081.

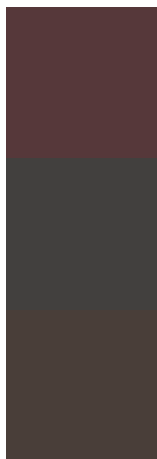


This preview shows how white text looks on a background with the CIELCh color 27, 14.321, 17.081.

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, 14.321, 17.081

Protanopia

27, 1.574, 74.669

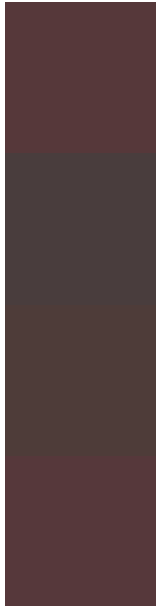
Deuteranopia

27, 6.150, 51.741



Tritanopia
27, 14.320, 11.960

Trichromacy



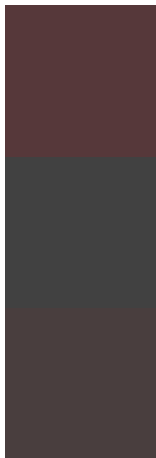
Original Color
27, 14.321, 17.081

Protanomaly
27, 5.561, 20.358

Deuteranomaly
27, 8.826, 33.459

Tritanomaly
27, 14.305, 14.520

Monochromacy



Original Color
27, 14.321, 17.081

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 5.073, 20.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 14.321, 17.081 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(86, 56, 58)` looks like.

```
.text, #text, p{  
    color:rgb(86, 56, 58)  
}
```

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(86, 56, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 56, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 14.321, 17.081 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(86, 56, 58) }
```

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

```
.border{ border-color:rgb(86, 56, 58) }
```

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

Here you see how a box with a 4 pixel rgb(86, 56, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 56, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 56, 58);  
box-shadow:4px 4px 4px 4px rgb(86, 56, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 14.321, 17.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 56, 58) }
```

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

```
.background{ background-color: rgb(86, 56,  
58) }
```

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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