

Converting Colors

CIELCh(27, 38.361, 19.506)

Have a look what the booklet for
CIELCh(27, 38.361, 19.506) contains.

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Color

CIELCh(27, 38.467, 19.647)

Conversions

Conversions Part 1

Format	Color
Hex	74232E
RGB	116, 35, 46
RGB Percent	45%, 14%, 18%
CMY	0.5457, 0.8633, 0.8200
CMYK	0.00, 0.70, 0.60, 0.55
HSL	352°, 54%, 30%
HSV	352°, 70%, 45%
XYZ	8.2713, 5.0937, 3.1205
YIQ	60.4730, 44.7450, 20.5930

Conversions

Conversions Part 2

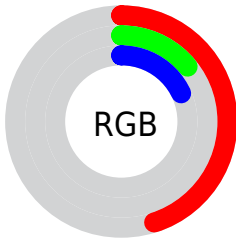
Format	Color
RYB	116, 35, 46
Decimal	7611182
CIELab	27.00, 36.23, 12.93
CIELCh	27, 38.467, 19.647
Yxy	5.0937, 0.5017, 0.3090
Android (android.graphics.Color)	4285801262 (0xFF74232E)
YUV	60.4730, -7.1352, 48.6972
Hunter-Lab	22.5692, 25.9220, 7.6009

Details

The CIELCh color **27, 38.467, 19.647** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 26.876, 182.099**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 38.365, 19.238**, and **9, 33.023, 26.881** is the 20% darker color. If you saturate the color by 10%, you get **25, 43.684, 23.182**, and if you desaturate by 10%, it is **29, 32.864, 16.796**.

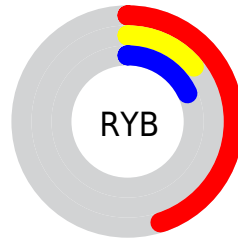
Distribution



Red (45%)

Green (14%)

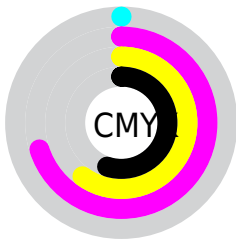
Blue (18%)



Red (45%)

Yellow (14%)

Blue (18%)

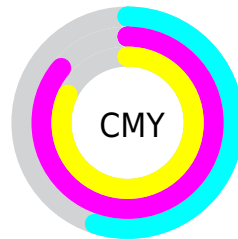


Cyan (0%)

Magenta (70%)

Yellow (60%)

Black (55%)



Cyan (55%)

Magenta (86%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 38.467, 19.647 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, 38.467, 19.647 by changing the saturation by 10% instead.

■ 27, 38.467, 19.647

■ 27, 38.467, 19.647

■ 100, 38.467,
19.647

■ 17, 38.467, 19.647

■ 47, 38.467, 19.647

■ 7, 38.467, 19.647

■ 57, 38.467, 19.647

■ 0, 38.467, 19.647

■ 67, 38.467, 19.647

■ 77, 38.467, 19.647

■ 87, 38.467, 19.647

■ 97, 38.467, 19.647

■ 27, 38.467, 19.647

■ 27, 38.467, 19.647

25, 43.684, 23.182

29, 32.864, 16.796

24, 48.383, 27.394

32, 27.064, 14.523

23, 52.809, 31.423

35, 21.247, 12.707

23, 52.851, 31.452

38, 15.554, 11.241

42, 10.080, 10.035

45, 4.874, 9.005

49, 0.045, 196.053

52, 4.679, 187.600

56, 9.043, 186.942

Harmonies

Complementary

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



27, 38.467, 19.647



44, 26.876, 182.099

Rectangle

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



27, 38.467, 19.647



27, 38.467, 69.647



27, 38.467, 199.647



27, 38.467, 249.647

Sweetspot

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



27, 38.465, 19.649



53, 13.235, 10.217



28, 53.453, 322.895



26, 9.081, 10.465



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



27, 38.465, 19.649



33, 56.389, 25.738



33, 33.732, 53.115



23, 2.792, 8.921



24, 55.197, 31.866



52, 96.473, 34.773

Inverse Universe

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



27, 38.465, 19.649



33, 56.389, 25.738



35, 22.564, 250.370



23, 2.792, 8.921



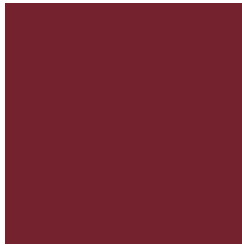
24, 55.197, 31.866



52, 96.473, 34.773

Previews

White Background



This preview shows how the CIELCh color 27, 38.467, 19.647 looks on a white background.

Color Contrast Check

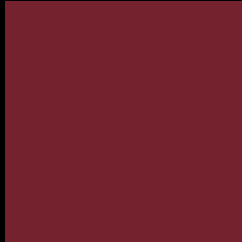
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.467, 19.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

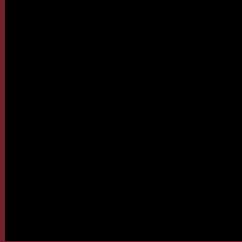
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 38.467, 19.647

Background



This preview shows how black text looks on a background with the CIELCh color 27, 38.467, 19.647.



This preview shows how white text looks on a background with the CIELCh color 27, 38.467, 19.647.

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, 38.467, 19.647

Protanopia

28, 4.112, 89.643

Deuteranopia

27, 15.402, 75.711



Tritanopia
27, 39.176, 27.289

Trichromacy



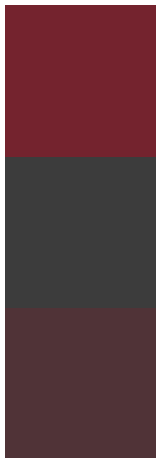
Original Color
27, 38.467, 19.647

Protanomaly
26, 15.033, 22.341

Deuteranomaly
26, 21.574, 38.411

Tritanomaly
27, 38.532, 24.626

Monochromacy



Original Color
27, 38.467, 19.647

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 14.051, 11.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 38.467, 19.647 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(116, 35, 46)` looks like.

```
.text, #text, p{  
    color:rgb(116, 35, 46)  
}
```

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(116, 35, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 35, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 38.467, 19.647 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(116, 35, 46) }
```

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

```
.border{ border-color:rgb(116, 35, 46) }
```

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

Here you see how a box with a 4 pixel rgb(116, 35, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 35, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 35, 46);  
box-shadow:4px 4px 4px 4px rgb(116, 35,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 38.467, 19.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 35, 46) }
```

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

```
.background{ background-color: rgb(116, 35,  
46) }
```

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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