

Converting Colors

CIELCh(27, 0.726, 21.039)

Have a look what the booklet for
CIELCh(27, 0.726, 21.039) contains.

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Color

CIELCh(27, 0.901, 19.292)

Conversions

Conversions Part 1

Format	Color
Hex	413F3F
RGB	65, 63, 63
RGB Percent	25%, 25%, 25%
CMY	0.7437, 0.7515, 0.7515
CMYK	0.00, 0.03, 0.03, 0.74
HSL	0°, 2%, 25%
HSV	0°, 3%, 26%
XYZ	4.9083, 5.0937, 5.4796
YIQ	63.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

Format	Color
RYB	65, 63, 63
Decimal	4276031
CIELab	27.00, 0.85, 0.30
CIELCh	27, 0.901, 19.292
Yxy	5.0937, 0.3170, 0.3290
Android (android.graphics.Color)	4282466111 (0xFF413F3F)
YUV	63.5980, -0.2948, 1.2296
Hunter-Lab	22.5692, -0.6760, 1.4033

Details

The CIELCh color $[27, 0.901, 19.292]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[28, 0.885, 199.594]$, and the grayscale version is $[27, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 0.817, 19.062]$, and $[7, 0.977, 19.286]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 3.975, 20.144]$, and if you desaturate by 10%, it is $[29, 1.970, 199.277]$.

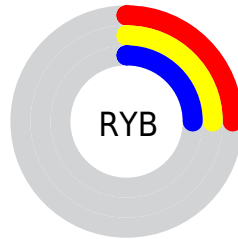
Distribution



 Red (25%)

 Green (25%)

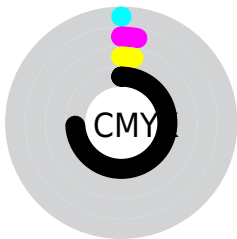
 Blue (25%)



 Red (25%)

 Yellow (25%)

 Blue (25%)

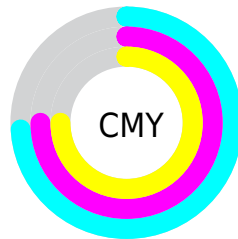


 Cyan (0%)

 Magenta (3%)

 Yellow (3%)

 Black (74%)



 Cyan (74%)

 Magenta (75%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 0.901, 19.292 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, 0.901, 19.292 by changing the saturation by 10% instead.

■ 27, 0.901, 19.292 ■ 27, 0.901, 19.292

100, 0.901, 19.292 ■ 17, 0.901, 19.292

■ 47, 0.901, 19.292 ■ 7, 0.901, 19.292

■ 57, 0.901, 19.292 ■ 0, 0.901, 19.292

■ 67, 0.901, 19.292

■ 77, 0.901, 19.292

■ 87, 0.901, 19.292

■ 97, 0.901, 19.292

■ 27, 0.901, 19.292 ■ 27, 0.901, 19.292

■ 25, 3.975, 20.144 ■ 29, 1.970, 199.277

23, 7.266, 20.905	32, 4.650, 198.821
20, 10.772, 21.839	34, 7.158, 198.489
18, 14.481, 23.013	36, 9.510, 198.221
16, 18.358, 24.498	38, 11.724, 198.001
15, 22.346, 26.370	41, 13.815, 197.817
13, 26.209, 28.096	43, 15.797, 197.663
12, 29.377, 28.483	45, 17.683, 197.532
11, 32.091, 28.248	48, 19.482, 197.420

Harmonies

Complementary

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



27, 0.901, 19.292



28, 0.885, 199.594

Rectangle

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



27, 0.901, 19.292



27, 0.901, 69.292



27, 0.901, 199.292



27, 0.901, 249.292

Sweetspot

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



27, 0.900, 19.344



36, 0.361, 18.698



27, 1.590, 324.516



18, 0.207, 18.582



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



27, 0.900, 19.344



35, 1.457, 19.477



27, 0.783, 74.884



12, 0.831, 19.487



18, 48.284, 35.280



47, 94.938, 40.006

Inverse Universe

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



28, 0.885, 199.594



35, 1.424, 199.467



27, 0.784, 255.959



13, 0.811, 199.457



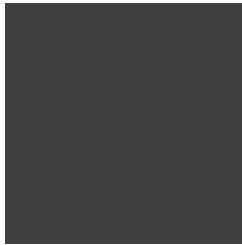
37, 24.647, 196.482



81, 45.457, 196.489

Previews

White Background



This preview shows how the CIELCh color 27, 0.901, 19.292 looks on a white background.

Color Contrast Check

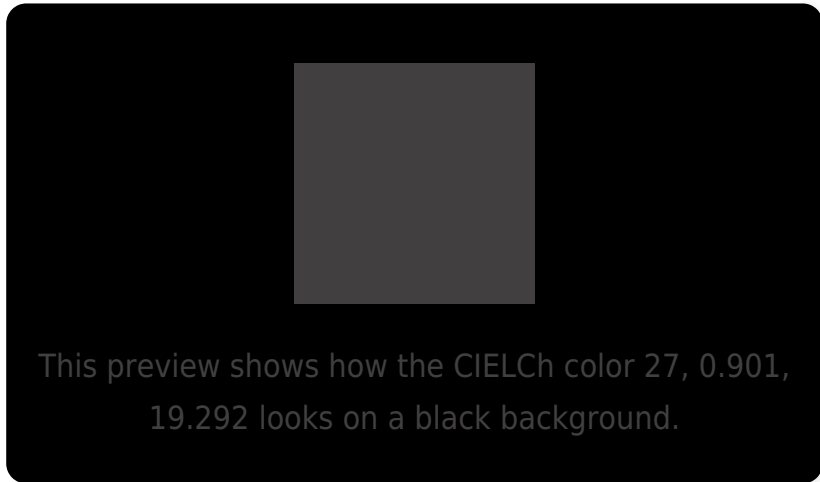
Large Text (above 18pt) WCAG AA ✓ Pass

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

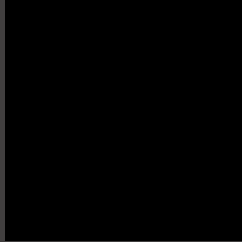
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

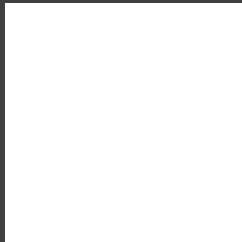
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 0.901, 19.292

Background



This preview shows how black text looks on a background with the CIELCh color 27, 0.901, 19.292.

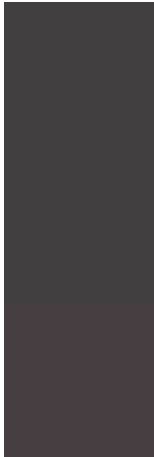


This preview shows how white text looks on a background with the CIELCh color 27, 0.901, 19.292.

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, 0.901, 19.292

Protanopia

27, 0.901, 19.292

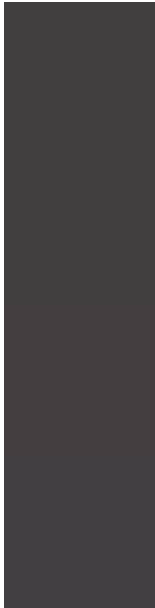
Deuteranopia

27, 3.860, 0.430



Tritanopia
27, 3.532, 312.733

Trichromacy



Original Color

27, 0.901, 19.292

Protanomaly

27, 0.901, 19.292

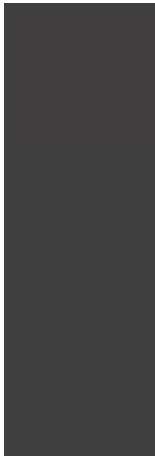
Deuteranomaly

27, 3.015, 354.347

Tritanomaly

27, 2.381, 324.611

Monochromacy



Original Color

27, 0.901, 19.292

Achromatopsia

27, 0.004, 296.813

Achromatomaly

27, 0.004, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 0.901, 19.292 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(65, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(65, 63, 63)  
}
```

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(65, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 0.901, 19.292 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(65, 63, 63) }
```

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

```
.border{ border-color:rgb(65, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(65, 63, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 0.901, 19.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 63, 63) }
```

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

```
.background{ background-color: rgb(65, 63,  
63) }
```

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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