

Converting Colors

CIELCh(27, 38.007, 117.950)

Have a look what the booklet for
CIELCh(27, 38.007, 117.950)
contains.

CIELCh(27, 37.959, 117.919)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 37.959, 117.919)

Conversions

Conversions Part 1

Format	Color
Hex	334604
RGB	51, 70, 4
RGB Percent	20%, 27%, 2%
CMY	0.8000, 0.7255, 0.9843
CMYK	0.27, 0.00, 0.94, 0.73
HSL	77°, 89%, 15%
HSV	77°, 94%, 27%
XYZ	3.5779, 5.0937, 0.9096
YIQ	56.7950, 9.8620, -24.5540

Conversions

Conversions Part 2

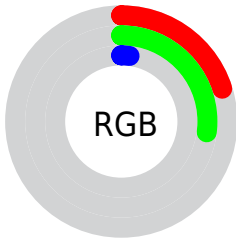
Format	Color
R_{YB}	4, 70, 23
Decimal	3360260
CIE _{Lab}	27.00, -17.77, 33.54
CIE _{LCh}	27, 37.959, 117.919
Yxy	5.0937, 0.3734, 0.5316
Android (android.graphics.Color)	4281550340 (0xFF334604)
YUV	56.7950, -26.0279, -5.0822
Hunter-Lab	22.5692, -11.1983, 13.4088

Details

The CIELCh color $27, 37.959, 117.919$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $6, 46.757, 308.059$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 37.563, 117.901$, and $8, 18.838, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $27, 39.656, 117.900$, and if you desaturate by 10%, it is $27, 35.087, 117.892$.

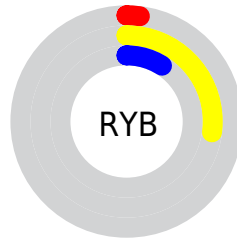
Distribution



 Red (20%)

 Green (27%)

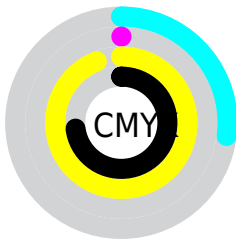
 Blue (2%)



 Red (2%)

 Yellow (27%)

 Blue (9%)

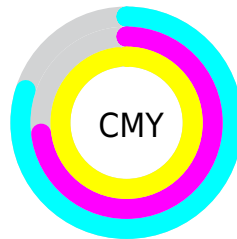


 Cyan (27%)

 Magenta (0%)

 Yellow (94%)

 Black (73%)



 Cyan (80%)


 Magenta (73%)


 Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 37.959, 117.919 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, 37.959, 117.919 by changing the saturation by 10% instead.

 27, 37.959,
117.919


 27, 37.959,
117.919

 100, 37.959,
117.919


 17, 37.959,
117.919


 47, 37.959,
117.919


 7, 37.959, 117.919

 57, 37.959,
117.919

 0, 37.959, 117.919

 67, 37.959,
117.919

 77, 37.959,
117.919

 87, 37.959,
117.919

 97, 37.959,

117.919

■ 27, 37.959,
117.919

■ 27, 37.959,
117.919

■ 27, 39.656,
117.900

■ 27, 35.087,
117.892

■ 27, 31.930,
117.936

■ 28, 28.268,
118.184

■ 28, 24.251,
118.568

■ 28, 19.996,
119.034

■ 28, 15.588,
119.546

■ 29, 11.086,
120.078

■ 29, 6.532, 120.611

■ 30, 1.954, 121.140

Harmonies

Complementary

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



27, 37.959, 117.919



6, 46.757, 308.059

Rectangle

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



27, 37.959, 117.919



27, 37.959, 167.919



27, 37.959, 297.919



27, 37.959, 347.919

Sweetspot

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



27, 37.959, 117.921



38, 15.985, 119.817



15, 30.213, 44.347



18, 10.864, 119.705



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 37.959, 117.921



36, 48.009, 118.331



25, 43.474, 133.766



14, 2.592, 120.910



38, 50.806, 118.471



83, 93.361, 119.477

Inverse Universe

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



6, 46.757, 308.059



9, 61.175, 308.816



12, 44.308, 320.843



13, 2.634, 301.800



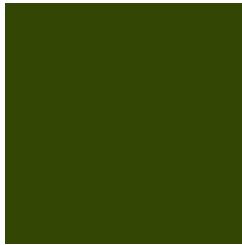
10, 64.769, 308.717



31, 119.335, 308.057

Previews

White Background



This preview shows how the CIELCh color 27, 37.959, 117.919 looks on a white background.

Color Contrast Check

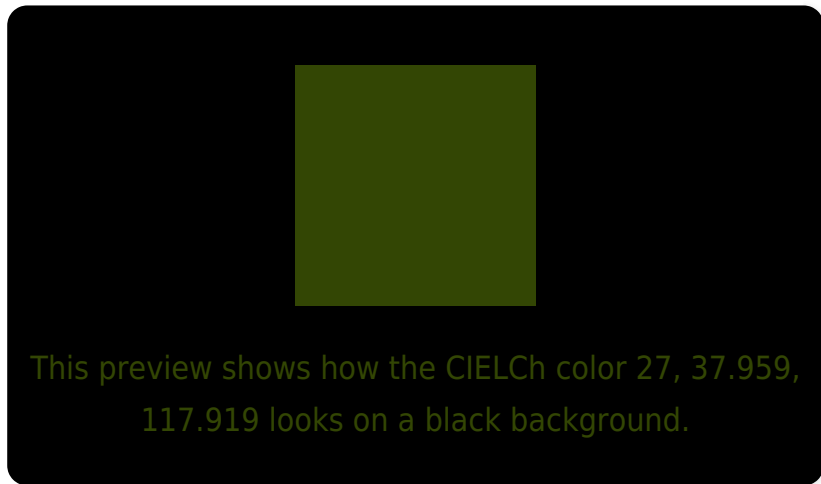
Large Text (above 18pt) WCAG AA ✓ Pass

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

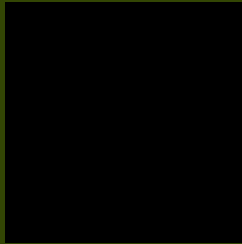
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 37.959, 117.919

Background



This preview shows how black text looks on a background with the CIELCh color 27, 37.959, 117.919.



This preview shows how white text looks on a background with the CIELCh color 27, 37.959, 117.919.

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](#).

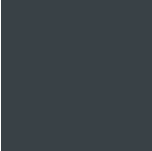
Dichromacy



Original Color
27, 37.959, 117.919

Protanopia
27, 35.982, 96.040

Deuteranopia
27, 30.581, 84.495



Tritanopia
27, 4.624, 243.965

Trichromacy



Original Color
27, 37.959, 117.919

Protanomaly
27, 36.104, 104.703

Deuteranomaly
27, 31.747, 98.858

Tritanomaly
27, 14.670, 130.275

Monochromacy



Original Color
27, 37.959, 117.919

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 15.883, 119.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 37.959, 117.919 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(51, 70, 4)` looks like.

```
.text, #text, p{  
    color:rgb(51, 70, 4)  
}
```

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(51, 70, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 70, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 37.959, 117.919 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(51, 70, 4) }
```

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

```
.border{ border-color:rgb(51, 70, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 70, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 70, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 70, 4); box-shadow:4px  
4px 4px 4px rgb(51, 70, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 37.959, 117.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 70, 4) }
```

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

```
.background{ background-color: rgb(51, 70,  
4) }
```

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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