

Converting Colors

CIELCh(27, 19.944, 123.505)

Have a look what the booklet for
CIELCh(27, 19.944, 123.505)
contains.

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Color

CIELCh(27, 19.903, 123.529)

Conversions

Conversions Part 1

Format	Color
Hex	384426
RGB	56, 68, 38
RGB Percent	22%, 27%, 15%
CMY	0.7809, 0.7339, 0.8515
CMYK	0.18, 0.00, 0.44, 0.73
HSL	84°, 28%, 21%
HSV	84°, 44%, 27%
XYZ	4.0300, 5.0937, 2.5938
YIQ	60.9920, 2.4780, -11.8740

Conversions

Conversions Part 2

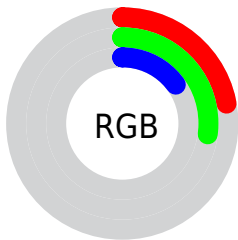
Format	Color
R_{YB}	38, 68, 50
Decimal	3687462
CIE _{Lab}	27.00, -10.99, 16.59
CIE _{LCh}	27, 19.903, 123.529
Yxy	5.0937, 0.3439, 0.4347
Android (android.graphics.Color)	4281877542 (0xFF384426)
YUV	60.9920, -11.3351, -4.3780
Hunter-Lab	22.5692, -7.6228, 8.9845

Details

The CIELCh color **27, 19.903, 123.529** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 21.339, 307.809**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.959, 122.740**, and **7, 15.210, 134.971** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.177, 123.126**, and if you desaturate by 10%, it is **27, 15.490, 123.976**.

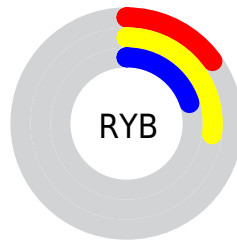
Distribution



Red (22%)

Green (27%)

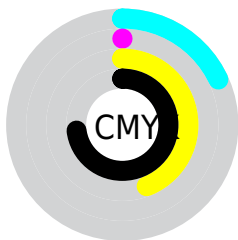
Blue (15%)



Red (15%)

Yellow (27%)

Blue (20%)

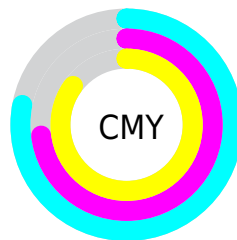


Cyan (18%)

Magenta (0%)

Yellow (44%)

Black (73%)



Cyan (78%)


Magenta (73%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.903, 123.529 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, 19.903, 123.529 by changing the saturation by 10% instead.

 27, 19.903,
123.529


 27, 19.903,
123.529

 100, 19.903,
123.529


 17, 19.903,
123.529


 47, 19.903,
123.529


 7, 19.903, 123.529

 57, 19.903,
123.529

 0, 19.903, 123.529

 67, 19.903,
123.529

 77, 19.903,
123.529

 87, 19.903,
123.529

 97, 19.903,

123.529

■ 27, 19.903,
123.529

■ 27, 19.903,
123.529

■ 27, 24.177,
123.126

■ 27, 15.490,
123.976

■ 26, 28.231,
122.800

■ 28, 10.993,
124.435

■ 26, 31.953,
122.610

■ 28, 6.454, 124.893

■ 26, 35.202,
122.629

■ 29, 1.902, 125.348

■ 26, 38.172,
122.724

■ 29, 2.641, 305.731

■ 26, 39.913,
122.753

■ 30, 11.644,
306.504

■ 31, 16.083,
306.845

■ 31, 20.471,
307.159

Harmonies

Complementary

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



27, 19.903, 123.529



18, 21.339, 307.809

Rectangle

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



27, 19.903, 123.529



27, 19.903, 173.529



27, 19.903, 303.529



27, 19.903, 353.529

Sweetspot

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



27, 19.904, 123.531



37, 7.422, 124.922



22, 12.452, 60.028



18, 5.239, 124.866



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, 19.904, 123.531



35, 29.648, 123.086



26, 22.972, 139.203



13, 2.479, 125.151



37, 51.548, 123.345



81, 95.995, 124.556

Inverse Universe

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



18, 21.339, 307.809



21, 32.459, 308.487



20, 23.120, 323.566



11, 2.513, 305.870



11, 62.266, 310.545



33, 115.877, 309.735

Previews

White Background



This preview shows how the CIELCh color 27, 19.903, 123.529 looks on a white background.

Color Contrast Check

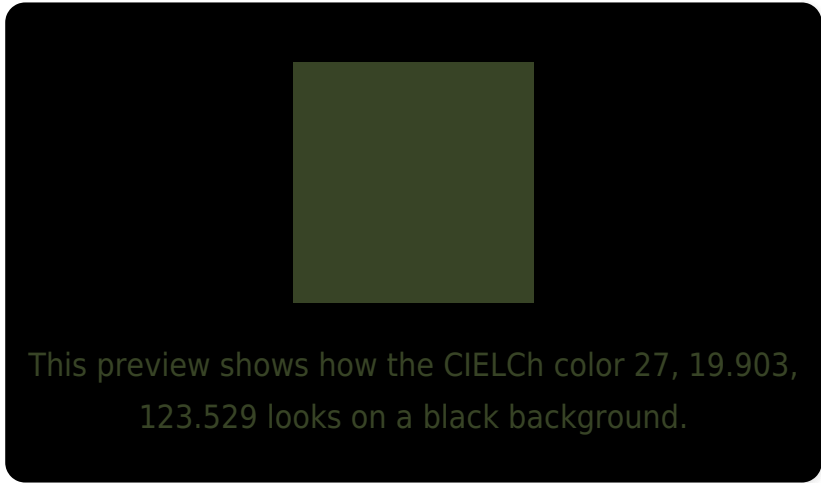
Large Text (above 18pt) WCAG AA ✓ Pass

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

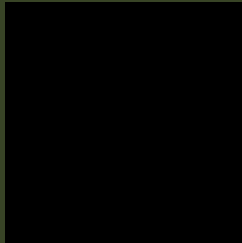
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

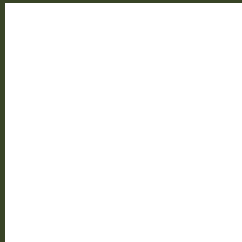
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 19.903, 123.529

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.903, 123.529.



This preview shows how white text looks on a background with the CIELCh color 27, 19.903, 123.529.

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

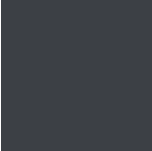
27, 19.903, 123.529

Protanopia

27, 18.153, 96.787

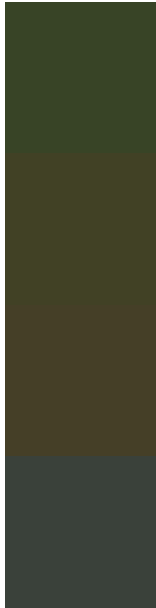
Deuteranopia

27, 16.010, 76.634



Tritanopia
27, 3.648, 262.796

Trichromacy



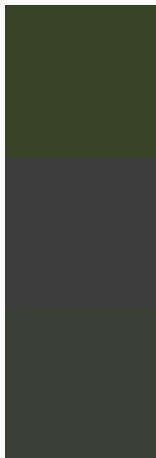
Original Color
27, 19.903, 123.529

Protanomaly
27, 17.832, 106.545

Deuteranomaly
27, 15.743, 95.859

Tritanomaly
27, 5.578, 143.907

Monochromacy



Original Color
27, 19.903, 123.529

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 6.784, 124.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.903, 123.529 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(56, 68, 38)` looks like.

```
.text, #text, p{  
    color:rgb(56, 68, 38)  
}
```

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(56, 68, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 68, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 19.903, 123.529 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(56, 68, 38) }
```

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

```
.border{ border-color:rgb(56, 68, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 68, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 68, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 68, 38);  
box-shadow:4px 4px 4px 4px rgb(56, 68, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.903, 123.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 68, 38) }
```

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

```
.background{ background-color: rgb(56, 68,  
38) }
```

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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