

Converting Colors

CIELCh(27, 41.450, 134.188)

Have a look what the booklet for
CIELCh(27, 41.450, 134.188)
contains.

CIELCh(27, 41.744, 133.957)	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, 41.744, 133.957)

Conversions

Conversions Part 1

Format	Color
Hex	1A4A0C
RGB	26, 74, 12
RGB Percent	10%, 29%, 5%
CMY	0.8995, 0.7111, 0.9543
CMYK	0.65, 0.00, 0.84, 0.71
HSL	106°, 73%, 17%
HSV	106°, 84%, 29%
XYZ	2.9073, 5.0937, 1.1664
YIQ	52.5800, -8.7060, -29.4580

Conversions

Conversions Part 2

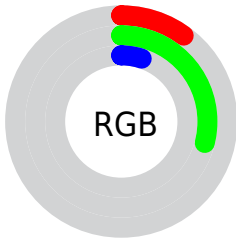
Format	Color
R_{YB}	12, 74, 60
Decimal	1722892
CIE _{Lab}	27.00, -28.98, 30.05
CIE _{LCh}	27, 41.744, 133.957
Yxy	5.0937, 0.3171, 0.5556
Android (android.graphics.Color)	4279912972 (0xFF1A4A0C)
YUV	52.5800, -20.0059, -23.3107
Hunter-Lab	22.5692, -16.5024, 12.7344

Details

The CIELCh color **27, 41.744, 133.957** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 42.665, 320.563**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 41.387, 133.734**, and **9, 23.127, 144.258** is the 20% darker color. If you saturate the color by 10%, you get **27, 45.055, 133.614**, and if you desaturate by 10%, it is **27, 37.959, 134.288**.

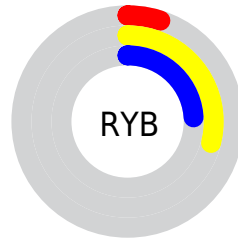
Distribution



Red (10%)

Green (29%)

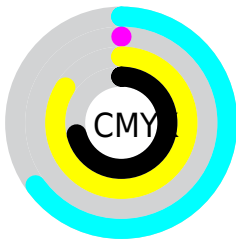
Blue (5%)



Red (5%)

Yellow (29%)

Blue (24%)

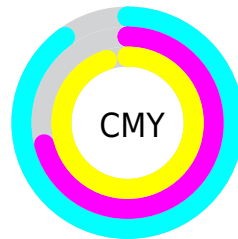


Cyan (65%)

Magenta (0%)

Yellow (84%)

Black (71%)



Cyan (90%)


Magenta (71%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 41.744, 133.957 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, 41.744, 133.957 by changing the saturation by 10% instead.

 27, 41.744,
133.957


 27, 41.744,
133.957

 100, 41.744,
133.957


 17, 41.744,
133.957


 47, 41.744,
133.957


 7, 41.744, 133.957

 57, 41.744,
133.957

 0, 41.744, 133.957

 67, 41.744,
133.957

 77, 41.744,
133.957

 87, 41.744,
133.957

 97, 41.744,

133.957

■ 27, 41.744,
133.957

■ 27, 41.744,
133.957

■ 27, 45.055,
133.614

■ 27, 37.959,
134.288

■ 27, 46.982,
133.248

■ 28, 33.571,
134.774

■ 28, 28.755,
135.334

■ 29, 23.653,
135.912

■ 29, 18.376,
136.471

■ 30, 13.008,
136.994

■ 30, 7.613, 137.473

■ 31, 2.237, 137.928

■ 32, 3.085, 318.227

Harmonies

Complementary

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



27, 41.744, 133.957



14, 42.665, 320.563

Rectangle

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



27, 41.744, 133.957



27, 41.744, 183.957



27, 41.744, 313.957



27, 41.744, 3.957

Sweetspot

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



27, 41.744, 133.958



39, 16.870, 136.903



26, 29.959, 88.728



19, 11.354, 136.816



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 41.744, 133.958



35, 57.141, 133.637



27, 37.142, 144.456



14, 2.903, 137.727



36, 58.218, 133.676



79, 107.423, 134.467

Inverse Universe

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



14, 42.665, 320.563



17, 58.074, 320.292



15, 35.710, 339.184



13, 2.920, 318.356



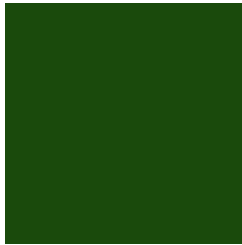
18, 59.146, 320.268



45, 108.306, 319.722

Previews

White Background



This preview shows how the CIELCh color 27, 41.744, 133.957 looks on a white background.

Color Contrast Check

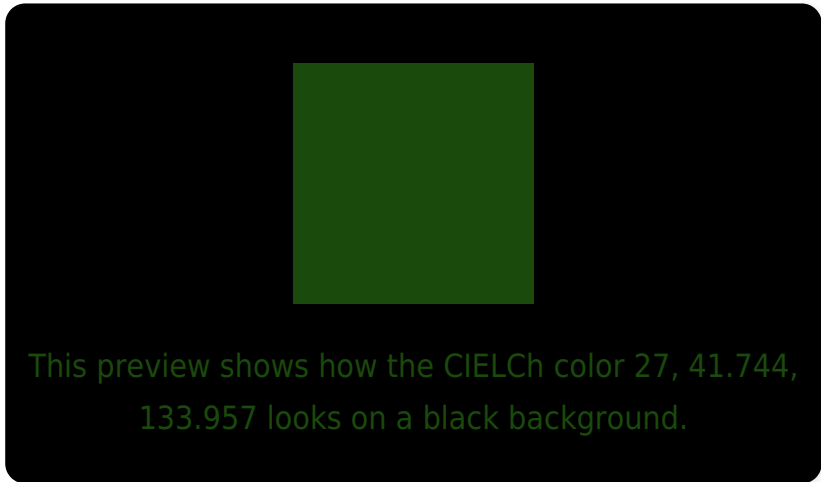
Large Text (above 18pt) WCAG AA ✓ Pass

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

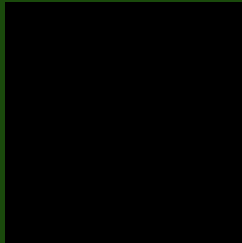
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 41.744, 133.957

Background



This preview shows how black text looks on a background with the CIELCh color 27, 41.744, 133.957.



This preview shows how white text looks on a background with the CIELCh color 27, 41.744, 133.957.

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, 41.744, 133.957

Protanopia

27, 32.345, 95.978

Deuteranopia

27, 28.243, 83.452



Tritanopia
27, 11.632, 214.131

Trichromacy



Original Color
27, 41.744, 133.957

Protanomaly
27, 34.122, 114.952

Deuteranomaly
26, 30.132, 110.117

Tritanomaly
27, 20.375, 156.849

Monochromacy



Original Color
27, 41.744, 133.957

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 17.386, 136.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 41.744, 133.957 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(26, 74, 12)` looks like.

```
.text, #text, p{  
    color:rgb(26, 74, 12)  
}
```

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(26, 74, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 74, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 41.744, 133.957 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(26, 74, 12) }
```

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

```
.border{ border-color:rgb(26, 74, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 74, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 74, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 74, 12);  
box-shadow:4px 4px 4px 4px rgb(26, 74, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 41.744, 133.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 74, 12) }
```

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

```
.background{ background-color: rgb(26, 74,  
12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor