

Converting Colors

CIELCh(27, 30.770, 131.955)

Have a look what the booklet for
CIELCh(27, 30.770, 131.955)
contains.

CIELCh(27, 30.505, 131.744)	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, 30.505, 131.744)

Conversions

Conversions Part 1

Format	Color
Hex	2A471B
RGB	42, 71, 27
RGB Percent	16%, 28%, 11%
CMY	0.8349, 0.7212, 0.8937
CMYK	0.41, 0.00, 0.62, 0.72
HSL	100°, 45%, 19%
HSV	100°, 62%, 28%
XYZ	3.4178, 5.0937, 1.8458
YIQ	57.3130, -3.1600, -19.8320

Conversions

Conversions Part 2

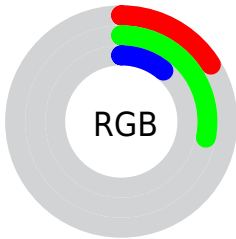
Format	Color
R_{YB}	27, 71, 56
Decimal	2770715
CIE _{Lab}	27.00, -20.31, 22.76
CIE _{LCh}	27, 30.505, 131.744
Yxy	5.0937, 0.3300, 0.4918
Android (android.graphics.Color)	4280960795 (0xFF2A471B)
YUV	57.3130, -14.9443, -13.4295
Hunter-Lab	22.5692, -12.4643, 10.9494

Details

The CIELCh color **27, 30.505, 131.744** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 31.982, 316.709**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 30.649, 131.519**, and **8, 19.932, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 34.784, 131.404**, and if you desaturate by 10%, it is **27, 25.887, 132.175**.

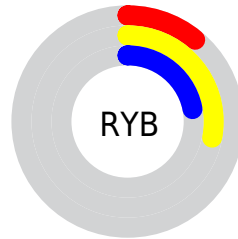
Distribution



Red (16%)

Green (28%)

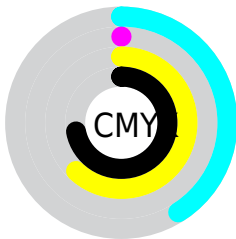
Blue (11%)



Red (11%)

Yellow (28%)

Blue (22%)

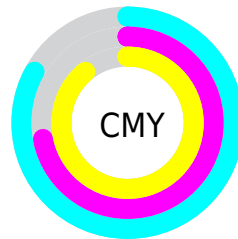


Cyan (41%)

Magenta (0%)

Yellow (62%)

Black (72%)



Cyan (83%)

Magenta (72%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 30.505, 131.744 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, 30.505, 131.744 by changing the saturation by 10% instead.

■ 27, 30.505,
131.744

■ 27, 30.505,
131.744

■ 100, 30.505,
131.744

■ 17, 30.505,
131.744

■ 47, 30.505,
131.744

■ 7, 30.505, 131.744

■ 57, 30.505,
131.744

■ 0, 30.505, 131.744

■ 67, 30.505,
131.744

■ 77, 30.505,
131.744

■ 87, 30.505,
131.744

■ 97, 30.505,

131.744

■ 27, 30.505,
131.744

■ 27, 30.505,
131.744

■ 27, 34.784,
131.404

■ 27, 25.887,
132.175

■ 26, 38.571,
131.229

■ 28, 21.047,
132.642

■ 26, 41.871,
131.164

■ 28, 16.076,
133.110

■ 26, 44.543,
130.943

■ 29, 11.038,
133.561

■ 29, 5.982, 133.985

■ 30, 0.944, 134.440

■ 31, 4.049, 314.680

■ 31, 8.979, 315.000

■ 32, 13.832,
315.278

Harmonies

Complementary

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



27, 30.505, 131.744



16, 31.982, 316.709

Rectangle

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



27, 30.505, 131.744



27, 30.505, 181.744



27, 30.505, 311.744



27, 30.505, 1.744

Sweetspot

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



27, 30.505, 131.745



38, 11.838, 133.655



24, 20.473, 82.351



18, 8.030, 133.596



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, 30.505, 131.745



35, 43.721, 131.291



26, 30.436, 143.830



14, 2.809, 134.121



37, 56.718, 131.496



80, 104.856, 132.525

Inverse Universe

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



16, 31.982, 316.709



19, 46.188, 316.999



18, 30.157, 332.271



13, 2.831, 314.720



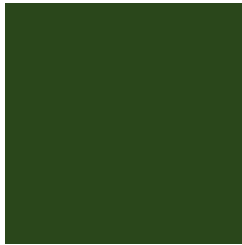
16, 60.272, 316.693



41, 110.611, 315.968

Previews

White Background



This preview shows how the CIELCh color 27, 30.505, 131.744 looks on a white background.

Color Contrast Check

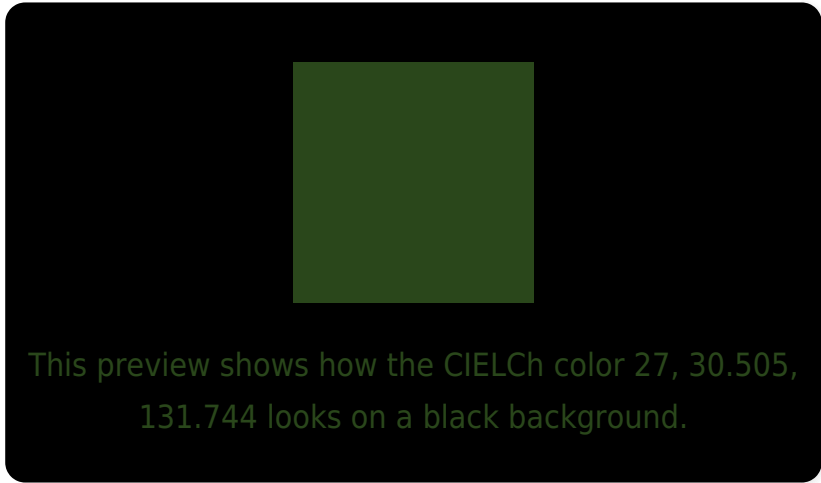
Large Text (above 18pt) WCAG AA ✓ Pass

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

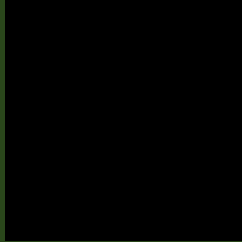
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 30.505, 131.744

Background



This preview shows how black text looks on a background with the CIELCh color 27, 30.505, 131.744.



This preview shows how white text looks on a background with the CIELCh color 27, 30.505, 131.744.

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

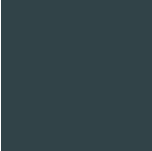
27, 30.505, 131.744

Protanopia

27, 24.658, 96.585

Deuteranopia

27, 22.181, 80.701



Tritanopia
27, 7.837, 223.067

Trichromacy



Original Color
27, 30.505, 131.744

Protanomaly
27, 25.625, 113.132

Deuteranomaly
27, 22.609, 104.260

Tritanomaly
27, 12.491, 158.726

Monochromacy



Original Color
27, 30.505, 131.744

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 11.496, 132.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 30.505, 131.744 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(42, 71, 27)` looks like.

```
.text, #text, p{  
    color:rgb(42, 71, 27)  
}
```

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(42, 71, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 71, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 30.505, 131.744 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(42, 71, 27) }
```

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

```
.border{ border-color:rgb(42, 71, 27) }
```

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

Here you see how a box with a 4 pixel rgb(42, 71, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 71, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 71, 27);  
box-shadow:4px 4px 4px 4px rgb(42, 71, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 30.505, 131.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 71, 27) }
```

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

```
.background{ background-color: rgb(42, 71,  
27) }
```

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