

Converting Colors

CIELCh(27, 22.866, 157.231)

Have a look what the booklet for
CIELCh(27, 22.866, 157.231)
contains.

CIELCh(27, 22.756, 157.313)	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, 22.756, 157.313)

Conversions

Conversions Part 1

Format	Color
Hex	1D4832
RGB	29, 72, 50
RGB Percent	11%, 28%, 20%
CMY	0.8871, 0.7185, 0.8047
CMYK	0.60, 0.00, 0.31, 0.72
HSL	149°, 43%, 20%
HSV	149°, 60%, 28%
XYZ	3.3755, 5.0937, 3.8004
YIQ	56.6350, -18.5660, -15.9580

Conversions

Conversions Part 2

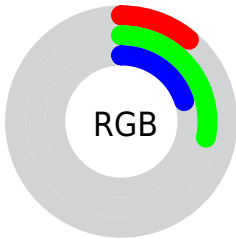
Format	Color
RYB	29, 58, 72
Decimal	1919026
CIELab	27.00, -21.00, 8.78
CIELCh	27, 22.756, 157.313
Yxy	5.0937, 0.2751, 0.4151
Android (android.graphics.Color)	4280109106 (0xFF1D4832)
YUV	56.6350, -3.2711, -24.2359
Hunter-Lab	22.5692, -12.7994, 5.8147




Details

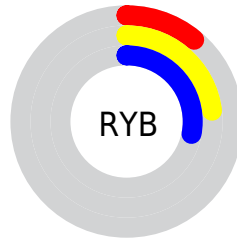
The CIELCh color **27, 22.756, 157.313** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 23.946, 348.856**, and the grayscale version is **24, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 22.919, 156.967**, and **8, 18.621, 147.239** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.993, 155.929**, and if you desaturate by 10%, it is **27, 19.273, 158.548**.

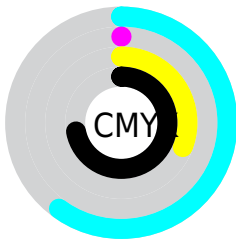
Distribution







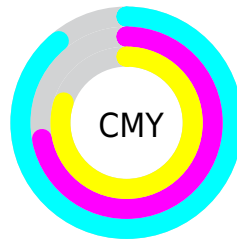
-  Red (11%)
-  Green (28%)
-  Blue (20%)






-  Red (11%)
-  Yellow (23%)
-  Blue (28%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (31%)
-  Black (72%)





-  Cyan (89%)
-  Magenta (72%)
-  Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 22.756, 157.313 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, 22.756, 157.313 by changing the saturation by 10% instead.

 27, 22.756,
157.313


 27, 22.756,
157.313

 100, 22.756,
157.313


 17, 22.756,
157.313


 47, 22.756,
157.313


 7, 22.756, 157.313

 57, 22.756,
157.313

 0, 22.756, 157.313

 67, 22.756,
157.313

 77, 22.756,
157.313

 87, 22.756,
157.313

 97, 22.756,

157.313

■ 27, 22.756,
157.313

■ 27, 22.756,
157.313

■ 27, 25.993,
155.929

■ 27, 19.273,
158.548

■ 26, 28.938,
154.383

■ 28, 15.595,
159.652

■ 26, 31.589,
152.705

■ 28, 11.776,
160.643

■ 26, 34.196,
151.251

■ 29, 7.868, 161.541

■ 26, 34.220,
151.239

■ 30, 3.916, 162.371

■ 31, 0.040, 338.160

■ 31, 3.968, 343.682

■ 32, 7.844, 344.329

■ 33, 11.649,
344.916

Harmonies

Complementary

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



27, 22.756, 157.313



18, 23.946, 348.856

Rectangle

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



27, 22.756, 157.313



27, 22.756, 207.313



27, 22.756, 337.313



27, 22.756, 27.313

Sweetspot

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



27, 22.756, 157.313



38, 8.925, 161.641



28, 28.378, 126.035



19, 6.252, 161.499



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, 22.756, 157.313



35, 33.158, 155.174



28, 15.515, 195.302



14, 2.192, 162.480



36, 43.810, 150.064



80, 83.050, 148.257

Inverse Universe

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



18, 23.946, 348.856



22, 34.657, 351.257



17, 22.718, 24.708



13, 2.215, 343.623



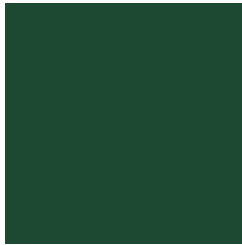
20, 42.850, 358.334



49, 77.663, 1.551

Previews

White Background



This preview shows how the CIELCh color 27, 22.756, 157.313 looks on a white background.

Color Contrast Check

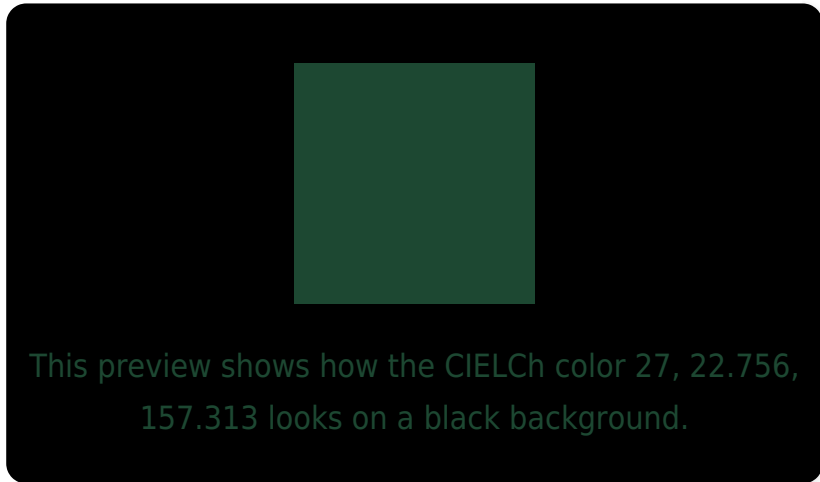
Large Text (above 18pt) WCAG AA ✓ Pass

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

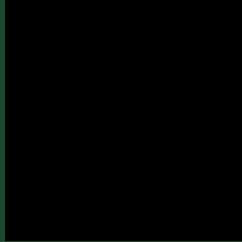
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 22.756, 157.313

Background



This preview shows how black text looks on a background with the CIELCh color 27, 22.756, 157.313.



This preview shows how white text looks on a background with the CIELCh color 27, 22.756, 157.313.

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, 22.756, 157.313

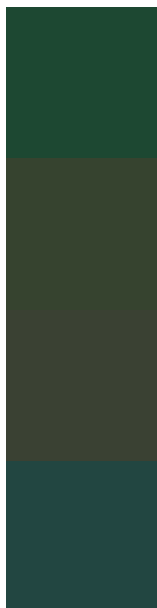
Protanopia
27, 11.775, 98.193

Deuteranopia
27, 8.660, 62.218



Tritanopia
27, 12.212, 213.254

Trichromacy



Original Color
27, 22.756, 157.313

Protanomaly
27, 14.286, 132.930

Deuteranomaly
27, 9.660, 128.215

Tritanomaly
27, 14.453, 184.008

Monochromacy



Original Color
27, 22.756, 157.313

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.934, 161.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 22.756, 157.313 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(29, 72, 50)` looks like.

```
.text, #text, p{  
    color:rgb(29, 72, 50)  
}
```

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(29, 72, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 72, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 22.756, 157.313 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(29, 72, 50) }
```

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

```
.border{ border-color:rgb(29, 72, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 72, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 72, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 72, 50);  
box-shadow:4px 4px 4px 4px rgb(29, 72, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 22.756, 157.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 72, 50) }
```

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

```
.background{ background-color: rgb(29, 72,  
50) }
```

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