

Converting Colors

CIELCh(27, 28.747, 163.026)

Have a look what the booklet for
CIELCh(27, 28.747, 163.026)
contains.

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Color

CIELCh(27, 28.658, 162.389)

Conversions

Conversions Part 1

Format	Color
Hex	004A32
RGB	0, 74, 50
RGB Percent	0%, 29%, 20%
CMY	1.0000, 0.7107, 0.8047
CMYK	1.00, 0.00, 0.33, 0.71
HSL	160°, 100%, 14%
HSV	160°, 100%, 29%
XYZ	3.0009, 5.0937, 3.8190
YIQ	49.1380, -36.4000, -23.1520

Conversions

Conversions Part 2

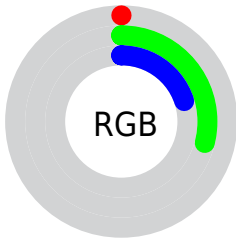
Format	Color
RYB	0, 44, 74
Decimal	18994
CIELab	27.00, -27.31, 8.67
CIELCh	27, 28.658, 162.389
Yxy	5.0937, 0.2519, 0.4276
Android (android.graphics.Color)	4278209074 (0xFF004A32)
YUV	49.1380, 0.4250, -43.0940
Hunter-Lab	22.5692, -15.7622, 5.7659

Details

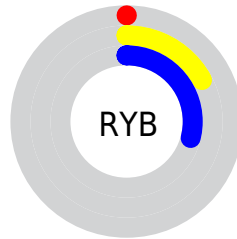
The CIELCh color **27, 28.658, 162.389** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 34.693, 12.654**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 28.524, 162.411**, and **9, 20.760, 146.847** is the 20% darker color. If you saturate the color by 10%, you get **27, 28.619, 162.345**, and if you desaturate by 10%, it is **27, 26.651, 163.803**.

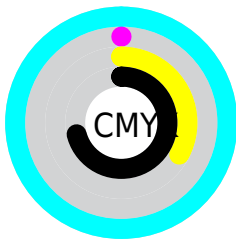
Distribution



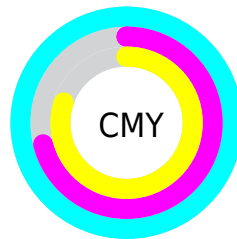
- Red (0%)
- Green (29%)
- Blue (20%)



- Red (0%)
- Yellow (17%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (71%)



- Cyan (100%)
- Magenta (71%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 28.658, 162.389 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, 28.658, 162.389 by changing the saturation by 10% instead.

 27, 28.658,
162.389

 27, 28.658,
162.389

 100, 28.658,
162.389

 17, 28.658,
162.389

 47, 28.658,
162.389


 7, 28.658, 162.389

 57, 28.658,
162.389

 0, 28.658, 162.389

 67, 28.658,
162.389

 77, 28.658,
162.389

 87, 28.658,
162.389

 97, 28.658,

162.389

■ 27, 28.658,
162.389

■ 27, 28.658,
162.389

■ 27, 28.619,
162.345

■ 27, 26.651,
163.803

■ 27, 24.660,
165.427

■ 28, 22.368,
166.920

■ 28, 19.769,
168.268

■ 28, 16.895,
169.491

■ 29, 13.790,
170.605

■ 29, 10.502,
171.629

■ 30, 7.078, 172.580

■ 31, 3.563, 173.488

Harmonies

Complementary

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



27, 28.658, 162.389



13, 34.693, 12.654

Rectangle

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



27, 28.658, 162.389



27, 28.658, 212.389



27, 28.658, 342.389



27, 28.658, 32.389

Sweetspot

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



27, 28.619, 162.345



39, 13.143, 171.511



27, 45.882, 131.116



18, 8.820, 171.307



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, 28.619, 162.345



36, 35.015, 161.419



23, 17.794, 224.806



14, 1.933, 173.621



37, 35.702, 161.341



80, 67.101, 159.599

Inverse Universe

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



13, 34.693, 12.654



19, 42.082, 14.982



14, 35.289, 37.511



13, 1.974, 354.887



19, 42.880, 15.179



48, 79.703, 19.642

Previews

White Background



This preview shows how the CIELCh color 27, 28.658, 162.389 looks on a white background.

Color Contrast Check

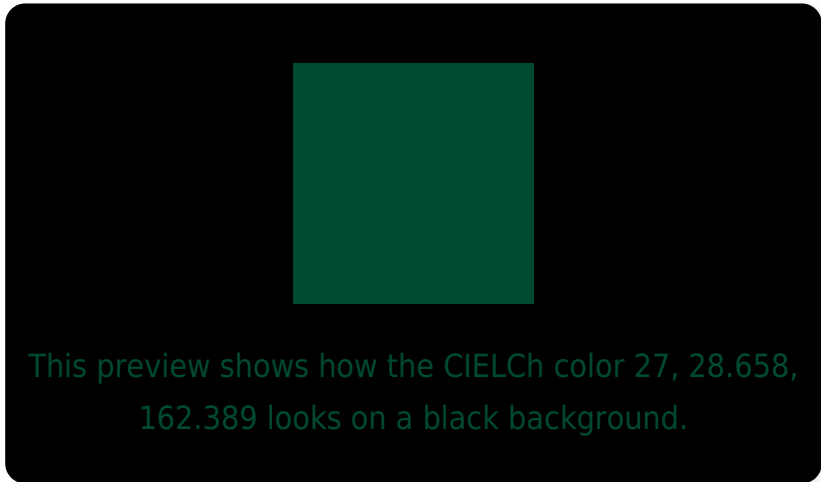
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.658, 162.389

Background



This preview shows how black text looks on a background with the CIELCh color 27, 28.658, 162.389.



This preview shows how white text looks on a background with the CIELCh color 27, 28.658, 162.389.

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, 28.658, 162.389

Protanopia
27, 11.872, 95.836

Deuteranopia
27, 8.272, 64.519



Tritanopia
27, 15.487, 211.977

Trichromacy



Original Color
27, 28.658, 162.389

Protanomaly
26, 17.476, 145.740

Deuteranomaly
26, 12.579, 150.912

Tritanomaly
27, 18.888, 186.447

Monochromacy



Original Color
27, 28.658, 162.389

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 13.099, 169.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 28.658, 162.389 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(0, 74, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 74, 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(0, 74, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 74, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 28.658, 162.389 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(0, 74, 50) }
```

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

```
.border{ border-color:rgb(0, 74, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 74, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 74, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 74, 50); box-shadow:4px  
4px 4px 4px rgb(0, 74, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 28.658, 162.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 74, 50) }
```

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

```
.background{ background-color: rgb(0, 74,  
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](#).

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