

Converting Colors

CIELCh(28, 28.781, 163.562)

Have a look what the booklet for
CIELCh(28, 28.781, 163.562)
contains.

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Color

CIELCh(28, 28.502, 163.914)

Conversions

Conversions Part 1

Format	Color
Hex	004C35
RGB	0, 76, 53
RGB Percent	0%, 30%, 21%
CMY	0.9989, 0.7012, 0.7914
CMYK	1.00, 0.00, 0.30, 0.70
HSL	162°, 99%, 15%
HSV	162°, 100%, 30%
XYZ	3.2489, 5.4574, 4.2729
YIQ	50.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

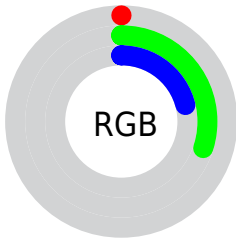
Format	Color
RYB	0, 45, 76
Decimal	19509
CIELab	28.00, -27.39, 7.90
CIELCh	28, 28.502, 163.914
Yxy	5.4574, 0.2503, 0.4205
Android (android.graphics.Color)	4278209589 (0xFF004C35)
YUV	50.6540, 1.1566, -44.4236
Hunter-Lab	23.3610, -16.0572, 5.5082

Details

The CIELCh color **28, 28.502, 163.914** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **13, 35.542, 14.764**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 28.557, 164.036**, and **10, 21.418, 148.880** is the 20% darker color. If you saturate the color by 10%, you get **28, 28.576, 163.861**, and if you desaturate by 10%, it is **28, 26.605, 165.392**.

Distribution



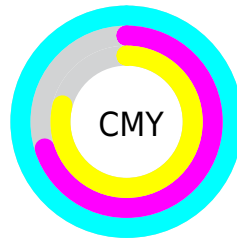
- Red (0%)
- Green (30%)
- Blue (21%)



- Red (0%)
- Yellow (18%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (70%)





- Cyan (100%)
- Magenta (70%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 28.502, 163.914 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 28, 28.502, 163.914 by changing the saturation by 10% instead.

 28, 28.502,
163.914

 28, 28.502,
163.914

 100, 28.502,
163.914

 18, 28.502,
163.914


 48, 28.502,
163.914


 8, 28.502, 163.914

 58, 28.502,
163.914

 0, 28.502, 163.914

 68, 28.502,
163.914

 78, 28.502,
163.914

 88, 28.502,
163.914

 98, 28.502,

163.914

■ 28, 28.502,
163.914

■ 28, 28.502,
163.914

■ 28, 28.576,
163.861

■ 28, 26.605,
165.392

■ 28, 24.659,
167.006

■ 29, 22.391,
168.480

■ 29, 19.802,
169.813

■ 29, 16.926,
171.023

■ 30, 13.807,
172.129

■ 30, 10.493,
173.149

■ 31, 7.033, 174.100

■ 32, 3.475, 175.012

Harmonies

Complementary

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



28, 28.502, 163.914



13, 35.542, 14.764

Rectangle

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



28, 28.502, 163.914



28, 28.502, 213.914



28, 28.502, 343.914



28, 28.502, 33.914

Sweetspot

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



28, 28.502, 163.913



40, 13.220, 173.000



28, 47.051, 131.529



20, 9.062, 172.769



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 28.502, 163.913



37, 34.784, 162.997



24, 18.137, 228.188



15, 2.024, 175.101



38, 35.447, 162.924



81, 65.840, 161.272

Inverse Universe

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



13, 35.542, 14.764



19, 43.170, 17.140



15, 36.073, 38.723



14, 2.070, 356.399



20, 43.977, 17.332



48, 81.230, 21.699

Previews

White Background



This preview shows how the CIELCh color 28, 28.502, 163.914 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



This preview shows how the CIELCh color 28, 28.502, 163.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

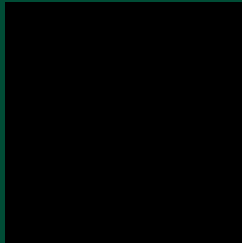
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 28.502, 163.914

Background



This preview shows how black text looks on a background with the CIELCh color 28, 28.502, 163.914.



This preview shows how white text looks on a background with the CIELCh color 28, 28.502, 163.914.

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
28, 28.502, 163.914

Protanopia
28, 11.190, 95.425

Deuteranopia
28, 7.751, 61.485



Tritanopia
28, 16.005, 211.368

Trichromacy



Original Color
28, 28.502, 163.914

Protanomaly
27, 16.651, 149.463

Deuteranomaly
27, 12.332, 154.265

Tritanomaly
28, 19.141, 188.675

Monochromacy



Original Color
28, 28.502, 163.914

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 12.689, 172.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 28.502, 163.914 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, 76, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 53)  
}
```

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, 76, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 28.502, 163.914 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, 76, 53) }
```

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

```
.border{ border-color:rgb(0, 76, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 53); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 76, 53); box-shadow:4px  
4px 4px 4px rgb(0, 76, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 28.502, 163.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 53) }
```

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

```
.background{ background-color: rgb(0, 76,  
53) }
```

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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