

Converting Colors

CIELCh(26, 48.740, 175.041)

Have a look what the booklet for
CIELCh(26, 48.740, 175.041)
contains.

CIELCh(28, 28.644, 164.169)	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(28, 28.644, 164.169)

Conversions

Conversions Part 1

Format	Color
Hex	004C35
RGB	0, 76, 53
RGB Percent	0%, 30%, 21%
CMY	1.0000, 0.7009, 0.7909
CMYK	1.00, 0.00, 0.30, 0.70
HSL	162°, 100%, 15%
HSV	162°, 100%, 30%
XYZ	3.2386, 5.4574, 4.2886
YIQ	50.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

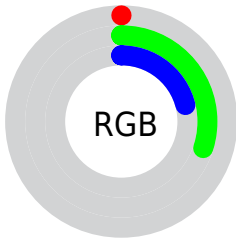
Format	Color
RYB	0, 45, 76
Decimal	19509
CIELab	28.00, -27.56, 7.81
CIELCh	28, 28.644, 164.169
Yxy	5.4574, 0.2494, 0.4203
Android (android.graphics.Color)	4278209589 (0xFF004C35)
YUV	50.6540, 1.1566, -44.4236
Hunter-Lab	23.3610, -16.1358, 5.4683

Details

The CIELCh color **28, 28.644, 164.169** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **13, 35.701, 15.076**, 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, 28.515, 164.035**, and if you desaturate by 10%, it is **28, 26.624, 165.503**.

Distribution



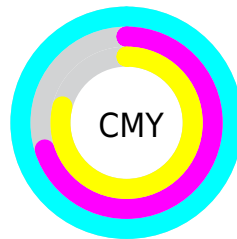
- Red (0%)
- Green (30%)
- Blue (21%)



- 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, 28.644, 164.169 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, 28.644, 164.169 by changing the saturation by 10% instead.

 28, 28.644,
164.169


 28, 28.644,
164.169

 100, 28.644,
164.169

 18, 28.644,
164.169


 48, 28.644,
164.169


 8, 28.644, 164.169

 58, 28.644,
164.169

 0, 28.644, 164.169

 68, 28.644,
164.169

 78, 28.644,
164.169

 88, 28.644,
164.169

 98, 28.644,

164.169

■ 28, 28.644,
164.169

■ 28, 28.644,
164.169

■ 28, 28.515,
164.035

■ 28, 26.624,
165.503

■ 28, 24.696,
167.116

■ 29, 22.448,
168.592

■ 29, 19.878,
169.928

■ 29, 17.019,
171.140

■ 30, 13.914,
172.249

■ 30, 10.612,
173.271

■ 31, 7.161, 174.224

■ 32, 3.610, 175.136

Harmonies

Complementary

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



28, 28.644, 164.169



13, 35.701, 15.076

Rectangle

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



28, 28.644, 164.169



28, 28.644, 214.169



28, 28.644, 344.169



28, 28.644, 34.169

Sweetspot

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



28, 28.515, 164.035



40, 13.199, 173.159



28, 47.207, 131.512



20, 9.047, 172.929



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, 28.515, 164.035



37, 34.688, 163.175



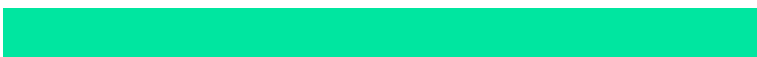
24, 18.179, 228.266



15, 2.021, 175.260



38, 35.350, 163.103



81, 65.647, 161.454

Inverse Universe

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



13, 35.701, 15.076



19, 43.204, 17.344



15, 36.209, 38.731



14, 2.068, 356.558



20, 44.012, 17.537



48, 81.324, 21.907

Previews

White Background



This preview shows how the CIELCh color 28, 28.644, 164.169 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, 28.644, 164.169 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, 28.644, 164.169

Background



This preview shows how black text looks on a background with the CIELCh color 28, 28.644, 164.169.



This preview shows how white text looks on a background with the CIELCh color 28, 28.644, 164.169.

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, 8.125, 59.236



Tritanopia
28, 16.005, 211.368

Trichromacy



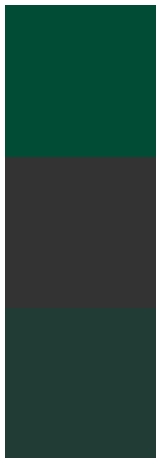
Original Color
28, 28.502, 163.914

Protanomaly
27, 16.651, 149.463

Deuteranomaly
27, 12.029, 152.991

Tritanomaly
28, 19.141, 188.675

Monochromacy



Original Color
28, 28.502, 163.914

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 13.009, 172.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 28.644, 164.169 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, 28.644, 164.169 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, 28.644, 164.169 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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