

Converting Colors

CIELCh(25, 69.931, 171.008)

Have a look what the booklet for
CIELCh(25, 69.931, 171.008)
contains.

CIELCh(28, 34.521, 153.216)	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, 34.521, 153.216)

Conversions

Conversions Part 1

Format	Color
Hex	004D29
RGB	0, 77, 41
RGB Percent	0%, 30%, 16%
CMY	1.0000, 0.6983, 0.8395
CMYK	1.00, 0.00, 0.47, 0.70
HSL	152°, 100%, 15%
HSV	152°, 100%, 30%
XYZ	3.0471, 5.4574, 2.9850
YIQ	49.8730, -34.3360, -27.5200

Conversions

Conversions Part 2

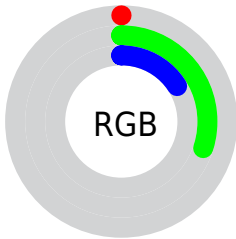
Format	Color
RYB	0, 50, 77
Decimal	19753
CIELab	28.00, -30.82, 15.56
CIELCh	28, 34.521, 153.216
Yxy	5.4574, 0.2652, 0.4750
Android (android.graphics.Color)	4278209833 (0xFF004D29)
YUV	49.8730, -4.3744, -43.7386
Hunter-Lab	23.3610, -17.5989, 8.7767

Details

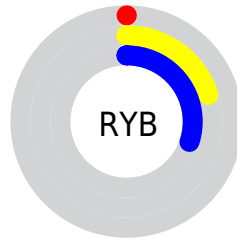
The CIELCh color **28, 34.521, 153.216** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14, 35.697, 0.512**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 34.494, 153.373**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **28, 34.510, 153.202**, and if you desaturate by 10%, it is **28, 31.969, 154.749**.

Distribution



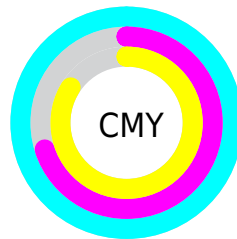
- Red (0%)
- Green (30%)
- Blue (16%)



- Red (0%)
- Yellow (20%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (70%)





- Cyan (100%)
- Magenta (70%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 34.521, 153.216 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, 34.521, 153.216 by changing the saturation by 10% instead.

 28, 34.521,
153.216


 28, 34.521,
153.216

 100, 34.521,
153.216


 18, 34.521,
153.216


 48, 34.521,
153.216


 8, 34.521, 153.216

 58, 34.521,
153.216

 0, 34.521, 153.216

 68, 34.521,
153.216

 78, 34.521,
153.216

 88, 34.521,
153.216

 98, 34.521,

153.216

■ 28, 34.521,
153.216

■ 28, 34.521,
153.216

■ 28, 34.510,
153.202

■ 28, 31.969,
154.749

■ 28, 29.367,
156.482

■ 29, 26.444,
158.064

■ 29, 23.208,
159.480

■ 29, 19.702,
160.747

■ 30, 15.979,
161.882

■ 31, 12.095,
162.906

■ 31, 8.106, 163.836

■ 32, 4.059, 164.701

Harmonies

Complementary

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



28, 34.521, 153.216



14, 35.697, 0.512

Rectangle

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



28, 34.521, 153.216



28, 34.521, 203.216



28, 34.521, 333.216



28, 34.521, 23.216

Sweetspot

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



28, 34.510, 153.202



40, 14.947, 162.799



29, 45.366, 127.030



19, 10.263, 162.571



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, 34.510, 153.202



36, 41.908, 152.304



29, 20.601, 198.770



15, 2.254, 164.817



37, 42.725, 152.226



81, 80.047, 150.469

Inverse Universe

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



14, 35.697, 0.512



20, 42.471, 2.168



13, 39.100, 32.017



14, 2.282, 346.027



20, 43.223, 2.316



49, 77.967, 5.798

Previews

White Background



This preview shows how the CIELCh color 28, 34.521, 153.216 looks on a white background.

Color Contrast Check

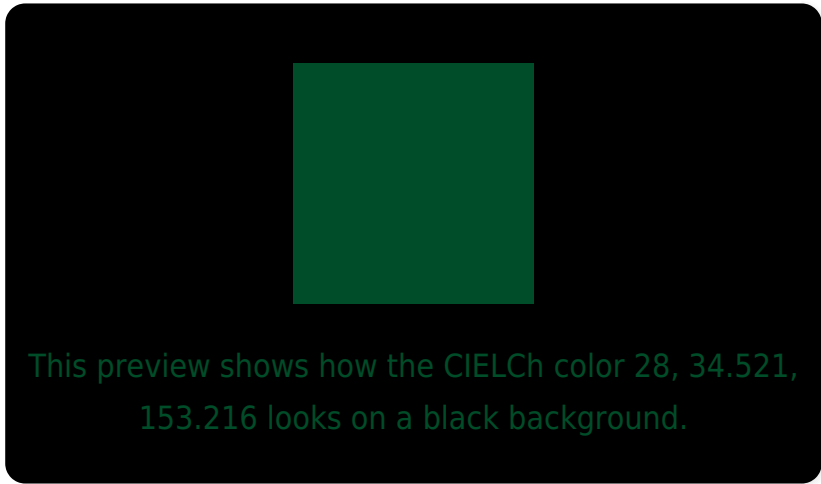
Large Text (above 18pt) WCAG AA ✓ Pass

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

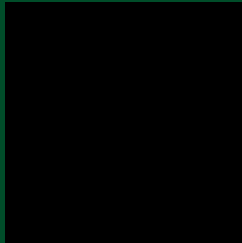
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 34.521, 153.216

Background



This preview shows how black text looks on a background with the CIELCh color 28, 34.521, 153.216.



This preview shows how white text looks on a background with the CIELCh color 28, 34.521, 153.216.

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](#).

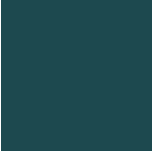
Dichromacy



Original Color
28, 34.521, 153.216

Protanopia
28, 18.779, 95.531

Deuteranopia
28, 15.312, 75.833



Tritanopia
28, 15.363, 212.058

Trichromacy



Original Color
28, 34.521, 153.216

Protanomaly
27, 23.253, 135.159

Deuteranomaly
27, 18.682, 133.880

Tritanomaly
28, 20.354, 179.567

Monochromacy



Original Color
28, 34.521, 153.216

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 15.017, 161.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 34.521, 153.216 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, 77, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 41)  
}
```

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, 77, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 34.521, 153.216 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, 77, 41) }
```

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

```
.border{ border-color:rgb(0, 77, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 77, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 77, 41); box-shadow:4px  
4px 4px 4px rgb(0, 77, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 34.521, 153.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 77, 41) }
```

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

```
.background{ background-color: rgb(0, 77,  
41) }
```

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