

Converting Colors

CIELCh(28, 47.435, 167.068)

Have a look what the booklet for
CIELCh(28, 47.435, 167.068)
contains.

CIELCh(30, 33.635, 156.485)	3
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Color

CIELCh(30, 33.635, 156.485)

Conversions

Conversions Part 1

Format	Color
Hex	015231
RGB	1, 82, 49
RGB Percent	0%, 32%, 19%
CMY	0.9950, 0.6791, 0.8088
CMYK	0.98, 0.00, 0.40, 0.68
HSL	155°, 97%, 16%
HSV	155°, 98%, 32%
XYZ	3.5691, 6.2359, 3.8935
YIQ	54.0190, -37.6830, -27.4350

Conversions

Conversions Part 2

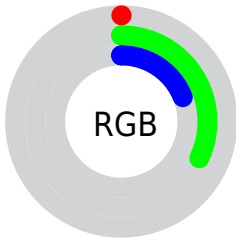
Format	Color
R_{YB}	1, 52, 82
Decimal	86577
CIE _{Lab}	30.00, -30.84, 13.42
CIE _{LCh}	30, 33.635, 156.485
Yxy	6.2359, 0.2605, 0.4552
Android (android.graphics.Color)	4278276657 (0xFF015231)
YUV	54.0190, -2.4744, -46.4977
Hunter-Lab	24.9718, -18.1884, 8.2361

Details

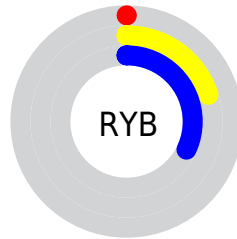
The CIELCh color **30, 33.635, 156.485** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **15, 36.573, 5.539**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 33.745, 156.513**, and **11, 26.625, 144.651** is the 20% darker color. If you saturate the color by 10%, you get **30, 34.012, 156.249**, and if you desaturate by 10%, it is **30, 31.252, 158.143**.

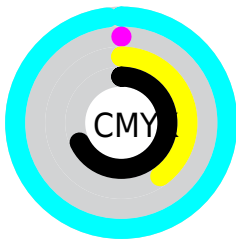
Distribution



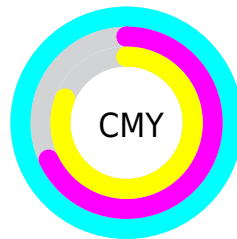
- Red (0%)
- Green (32%)
- Blue (19%)



- Red (0%)
- Yellow (20%)
- Blue (32%)



- Cyan (98%)
- Magenta (0%)
- Yellow (40%)
- Black (68%)





- Cyan (100%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 33.635, 156.485 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 30, 33.635, 156.485 by changing the saturation by 10% instead.


 30, 33.635,
156.485


 30, 33.635,
156.485

 100, 33.635,
156.485


 20, 33.635,
156.485


 50, 33.635,
156.485


 10, 33.635,
156.485

 60, 33.635,
156.485

 0, 33.635, 156.485

 70, 33.635,
156.485

 80, 33.635,
156.485

 90, 33.635,
156.485

■ 30, 33.635,
156.485

■ 30, 33.635,
156.485

■ 30, 34.012,
156.249

■ 30, 31.252,
158.143

■ 30, 28.736,
159.887

■ 31, 25.866,
161.457

■ 31, 22.665,
162.866

■ 32, 19.178,
164.131

■ 32, 15.457,
165.271

■ 33, 11.562,
166.305

■ 33, 7.546, 167.255

Harmonies

Complementary

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



30, 33.635, 156.485



15, 36.573, 5.539

Rectangle

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



30, 33.635, 156.485



30, 33.635, 206.485



30, 33.635, 336.485



30, 33.635, 26.485

Sweetspot

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



30, 33.635, 156.485



43, 15.200, 166.041



30, 47.769, 129.215



21, 10.224, 165.801



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 33.635, 156.485



39, 41.675, 155.368



29, 19.839, 209.467



16, 2.289, 168.126



38, 40.919, 155.439



82, 75.723, 153.747

Inverse Universe

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



15, 36.573, 5.539



21, 44.599, 7.844



15, 39.790, 35.484



15, 2.326, 349.409



21, 43.844, 7.690



49, 78.942, 11.469

Previews

White Background



This preview shows how the CIELCh color 30, 33.635, 156.485 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 30, 33.635, 156.485 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 30, 33.635, 156.485

Background



This preview shows how black text looks on a background with the CIELCh color 30, 33.635, 156.485.



This preview shows how white text looks on a background with the CIELCh color 30, 33.635, 156.485.

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

30, 33.653, 156.623

Protanopia

30, 17.284, 96.993

Deuteranopia

30, 12.976, 71.086



Tritanopia
30, 16.378, 210.914

Trichromacy



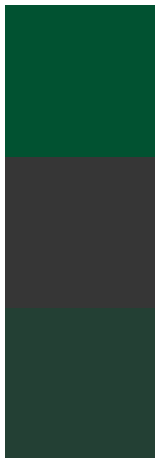
Original Color
30, 33.653, 156.623

Protanomaly
29, 21.881, 139.461

Deuteranomaly
29, 16.539, 139.169

Tritanomaly
30, 20.786, 182.015

Monochromacy



Original Color
30, 33.653, 156.623

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 14.782, 164.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 33.635, 156.485 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(1, 82, 49)` looks like.

```
.text, #text, p{  
    color:rgb(1, 82, 49)  
}
```

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(1, 82, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 82, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 33.635, 156.485 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(1, 82, 49) }
```

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

```
.border{ border-color:rgb(1, 82, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 82, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 82, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 82, 49); box-shadow:4px  
4px 4px 4px rgb(1, 82, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 33.635, 156.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 82, 49) }
```

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

```
.background{ background-color: rgb(1, 82,  
49) }
```

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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