

Converting Colors

CIELCh(29, 39.091, 170.562)

Have a look what the booklet for
CIELCh(29, 39.091, 170.562)
contains.

CIELCh(30, 30.212, 163.475)	3
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Color

CIELCh(30, 30.212, 163.475)

Conversions

Conversions Part 1

Format	Color
Hex	005138
RGB	0, 81, 56
RGB Percent	0%, 32%, 22%
CMY	1.0000, 0.6806, 0.7785
CMYK	1.00, 0.00, 0.31, 0.68
HSL	162°, 100%, 16%
HSV	162°, 100%, 32%
XYZ	3.6905, 6.2359, 4.8133
YIQ	53.9310, -40.2510, -24.9470

Conversions

Conversions Part 2

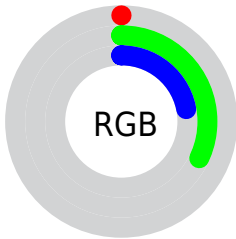
Format	Color
RYB	0, 48, 81
Decimal	20792
CIELab	30.00, -28.96, 8.59
CIELCh	30, 30.212, 163.475
Yxy	6.2359, 0.2504, 0.4231
Android (android.graphics.Color)	4278210872 (0xFF005138)
YUV	53.9310, 1.0200, -47.2975
Hunter-Lab	24.9718, -17.3204, 6.0522

Details

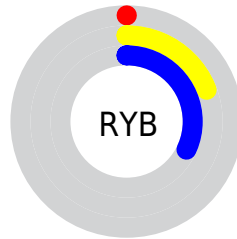
The CIELCh color **30, 30.212, 163.475** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **15, 37.347, 15.197**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 29.934, 163.260**, and **11, 22.319, 150.914** is the 20% darker color. If you saturate the color by 10%, you get **30, 30.117, 163.379**, and if you desaturate by 10%, it is **30, 28.165, 164.920**.

Distribution



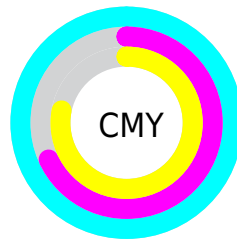
- Red (0%)
- Green (32%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (68%)





- Cyan (100%)
- Magenta (68%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 30.212, 163.475 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, 30.212, 163.475 by changing the saturation by 10% instead.


 30, 30.212,
163.475


 30, 30.212,
163.475

 100, 30.212,
163.475


 20, 30.212,
163.475


 50, 30.212,
163.475


 10, 30.212,
163.475

 60, 30.212,
163.475

 0, 30.212, 163.475

 70, 30.212,
163.475

 80, 30.212,
163.475

 90, 30.212,
163.475

■ 30, 30.212,
163.475

■ 30, 30.212,
163.475

■ 30, 30.117,
163.379

■ 30, 28.165,
164.920

■ 30, 26.144,
166.581

■ 31, 23.774,
168.091

■ 31, 21.059,
169.455

■ 31, 18.034,
170.691

■ 32, 14.745,
171.819

■ 33, 11.246,
172.857

■ 33, 7.589, 173.822

Harmonies

Complementary

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



30, 30.212, 163.475



15, 37.347, 15.197

Rectangle

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



30, 30.212, 163.475



30, 30.212, 213.475



30, 30.212, 343.475



30, 30.212, 33.475

Sweetspot

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



30, 30.117, 163.379



43, 14.078, 172.747



30, 49.474, 131.632



21, 9.458, 172.509



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, 30.117, 163.379



40, 36.910, 162.536



25, 19.011, 228.630



16, 2.142, 174.863



39, 36.249, 162.603



82, 66.682, 161.000

Inverse Universe

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



15, 37.347, 15.197



21, 45.528, 17.400



16, 38.619, 39.496



15, 2.191, 356.189



20, 44.730, 17.225



49, 81.795, 21.443

Previews

White Background



This preview shows how the CIELCh color 30, 30.212, 163.475 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, 30.212, 163.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

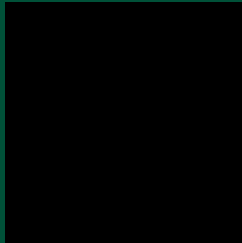
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.212, 163.475

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.212, 163.475.



This preview shows how white text looks on a background with the CIELCh color 30, 30.212, 163.475.

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, 30.072, 163.230

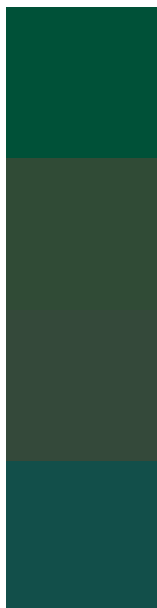
Protanopia
30, 12.292, 96.559

Deuteranopia
30, 8.841, 60.324



Tritanopia
30, 16.794, 210.515

Trichromacy



Original Color
30, 30.072, 163.230

Protanomaly
29, 18.010, 148.779

Deuteranomaly
29, 13.441, 151.721

Tritanomaly
30, 20.315, 187.323

Monochromacy



Original Color
30, 30.072, 163.230

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 13.921, 171.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.212, 163.475 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, 81, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 56)  
}
```

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, 81, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.212, 163.475 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, 81, 56) }
```

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

```
.border{ border-color:rgb(0, 81, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 81, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 81, 56); box-shadow:4px  
4px 4px 4px rgb(0, 81, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.212, 163.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 56) }
```

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

```
.background{ background-color: rgb(0, 81,  
56) }
```

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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