

Converting Colors

CIELCh(30, 27.112, 164.079)

Have a look what the booklet for
CIELCh(30, 27.112, 164.079)
contains.

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Color

CIELCh(30, 27.515, 163.377)

Conversions

Conversions Part 1

Format	Color
Hex	0F513A
RGB	15, 81, 58
RGB Percent	6%, 32%, 23%
CMY	0.9431, 0.6836, 0.7737
CMYK	0.82, 0.00, 0.28, 0.68
HSL	159°, 69%, 19%
HSV	159°, 82%, 32%
XYZ	3.8631, 6.2359, 4.9622
YIQ	58.6440, -31.9530, -21.1450

Conversions

Conversions Part 2

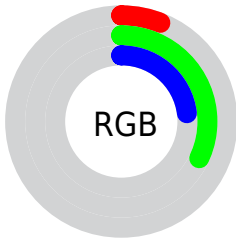
Format	Color
R_{YB}	15, 55, 81
Decimal	1003834
CIE _{Lab}	30.00, -26.37, 7.87
CIE _{LCh}	30, 27.515, 163.377
Yxy	6.2359, 0.2565, 0.4140
Android (android.graphics.Color)	4279193914 (0xFF0F513A)
YUV	58.6440, -0.3175, -38.2758
Hunter-Lab	24.9718, -16.0868, 5.6985

Details

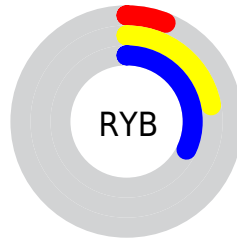
The CIELCh color **30, 27.515, 163.377** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **17, 32.090, 5.660**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 27.489, 163.115**, and **11, 21.100, 153.612** is the 20% darker color. If you saturate the color by 10%, you get **30, 29.655, 161.665**, and if you desaturate by 10%, it is **30, 25.060, 164.961**.

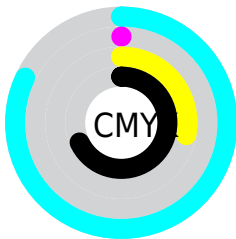
Distribution



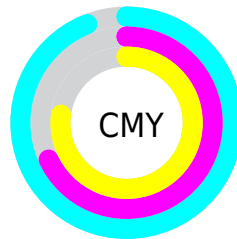
- Red (6%)
- Green (32%)
- Blue (23%)



- Red (6%)
- Yellow (22%)
- Blue (32%)



- Cyan (82%)
- Magenta (0%)
- Yellow (28%)
- Black (68%)





- Cyan (94%)
- Magenta (68%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 27.515, 163.377 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, 27.515, 163.377 by changing the saturation by 10% instead.


 30, 27.515,
163.377


 30, 27.515,
163.377


 100, 27.515,
163.377


 20, 27.515,
163.377


 50, 27.515,
163.377


 10, 27.515,
163.377

 60, 27.515,
163.377

 0, 27.515, 163.377

 70, 27.515,
163.377

 80, 27.515,
163.377

 90, 27.515,
163.377

■ 30, 27.515,
163.377

■ 30, 27.515,
163.377

■ 30, 29.655,
161.665

■ 30, 25.060,
164.961

■ 30, 31.352,
160.429

■ 31, 22.264,
166.389

■ 31, 19.161,
167.676

■ 31, 15.796,
168.843

■ 32, 12.224,
169.909

■ 33, 8.497, 170.891

■ 33, 4.668, 171.815

■ 34, 0.780, 172.909

Harmonies

Complementary

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



30, 27.515, 163.377



17, 32.090, 5.660

Rectangle

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



30, 27.515, 163.377



30, 27.515, 213.377



30, 27.515, 343.377



30, 27.515, 33.377

Sweetspot

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



30, 27.515, 163.376



42, 11.916, 170.520



30, 42.544, 130.979



21, 8.178, 170.320



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, 27.515, 163.376



39, 37.582, 159.937



27, 17.611, 218.859



16, 2.196, 172.114



39, 38.054, 159.592



82, 70.187, 157.940

Inverse Universe

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



17, 32.090, 5.660



21, 43.642, 12.777



18, 32.779, 38.327



15, 2.240, 353.432



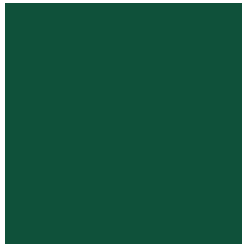
20, 44.211, 13.523



49, 80.340, 17.624

Previews

White Background



This preview shows how the CIELCh color 30, 27.515, 163.377 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, 27.515, 163.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

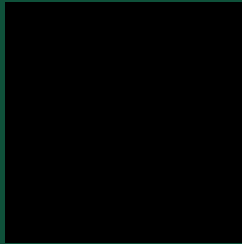
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 27.515, 163.377

Background



This preview shows how black text looks on a background with the CIELCh color 30, 27.515, 163.377.

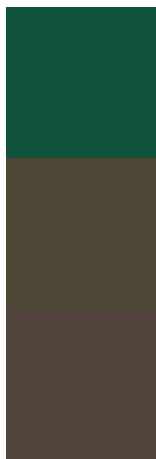


This preview shows how white text looks on a background with the CIELCh color 30, 27.515, 163.377.

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, 27.515, 163.377

Protanopia

30, 11.202, 93.159

Deuteranopia

30, 7.607, 55.874



Tritanopia
30, 16.161, 213.560

Trichromacy



Original Color
30, 27.515, 163.377

Protanomaly
29, 15.152, 144.175

Deuteranomaly
29, 11.013, 148.742

Tritanomaly
30, 18.772, 188.747

Monochromacy



Original Color
30, 27.515, 163.377

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.578, 170.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 27.515, 163.377 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(15, 81, 58)` looks like.

```
.text, #text, p{  
    color:rgb(15, 81, 58)  
}
```

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(15, 81, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 81, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 27.515, 163.377 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(15, 81, 58) }
```

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

```
.border{ border-color:rgb(15, 81, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 81, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 81, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 81, 58);  
box-shadow:4px 4px 4px 4px rgb(15, 81, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 27.515, 163.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 81, 58) }
```

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

```
.background{ background-color: rgb(15, 81,  
58) }
```

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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