

Converting Colors

CIELCh(31, 28.183, 165.870)

Have a look what the booklet for
CIELCh(31, 28.183, 165.870)
contains.

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Color

CIELCh(31, 28.130, 165.709)

Conversions

Conversions Part 1

Format	Color
Hex	0A533D
RGB	10, 83, 61
RGB Percent	4%, 33%, 24%
CMY	0.9618, 0.6729, 0.7593
CMYK	0.88, 0.00, 0.26, 0.67
HSL	162°, 79%, 18%
HSV	162°, 88%, 33%
XYZ	4.0980, 6.6515, 5.5356
YIQ	58.6650, -36.4460, -22.3180

Conversions

Conversions Part 2

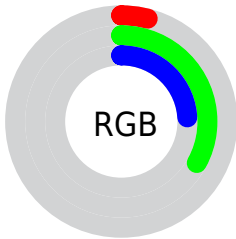
Format	Color
R_{YB}	10, 53, 83
Decimal	676669
CIE _{Lab}	31.00, -27.26, 6.94
CIE _{LCh}	31, 28.130, 165.709
Yxy	6.6515, 0.2516, 0.4084
Android (android.graphics.Color)	4278866749 (0xFF0A533D)
YUV	58.6650, 1.1512, -42.6792
Hunter-Lab	25.7905, -16.7705, 5.3276

Details

The CIELCh color **31, 28.130, 165.709** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 34.689, 12.028**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 28.063, 165.305**, and **12, 21.209, 155.376** is the 20% darker color. If you saturate the color by 10%, you get **31, 30.055, 164.115**, and if you desaturate by 10%, it is **31, 26.062, 167.351**.

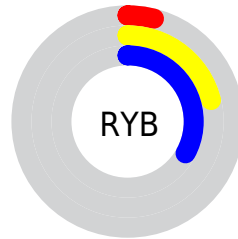
Distribution



Red (4%)

Green (33%)

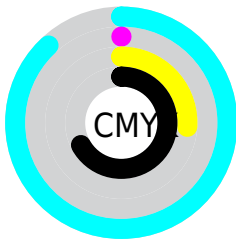
Blue (24%)



Red (4%)

Yellow (21%)

Blue (33%)

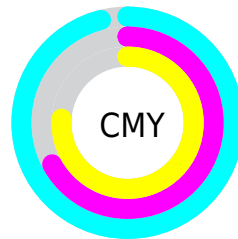


Cyan (88%)

Magenta (0%)

Yellow (26%)

Black (67%)



Cyan (96%)


Magenta (67%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 28.130, 165.709 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 31, 28.130, 165.709 by changing the saturation by 10% instead.


 31, 28.130,
165.709


 31, 28.130,
165.709

 100, 28.130,
165.709


 21, 28.130,
165.709

 51, 28.130,
165.709


 11, 28.130,
165.709


 61, 28.130,
165.709

 1, 28.130, 165.709

 71, 28.130,
165.709

 0, 28.130, 165.709

 81, 28.130,
165.709

 91, 28.130,
165.709

■ 31, 28.130,
165.709

■ 31, 28.130,
165.709

■ 31, 30.055,
164.115

■ 31, 26.062,
167.351

■ 31, 30.381,
163.871

■ 32, 23.625,
168.834

■ 32, 20.838,
170.175

■ 32, 17.738,
171.392

■ 33, 14.375,
172.504

■ 33, 10.802,
173.529

■ 34, 7.073, 174.486

■ 35, 3.240, 175.411

Harmonies

Complementary

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



31, 28.130, 165.709



16, 34.689, 12.028

Rectangle

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



31, 28.130, 165.709



31, 28.130, 215.709



31, 28.130, 345.709



31, 28.130, 35.709

Sweetspot

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



31, 28.130, 165.708



44, 12.908, 173.566



31, 46.538, 132.281



22, 8.743, 173.373



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 28.130, 165.708



41, 37.231, 163.052



26, 18.393, 229.229



16, 2.133, 175.377



39, 35.926, 163.182



82, 66.053, 161.590

Inverse Universe

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



16, 34.689, 12.028



22, 46.450, 18.233



18, 35.347, 41.152



15, 2.183, 356.704



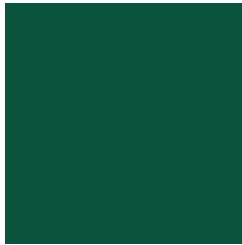
20, 44.847, 17.889



49, 82.103, 22.119

Previews

White Background



This preview shows how the CIELCh color 31, 28.130, 165.709 looks on a white background.

Color Contrast Check

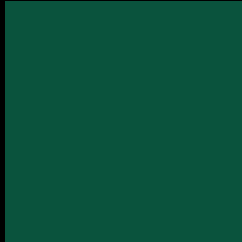
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 28.130, 165.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

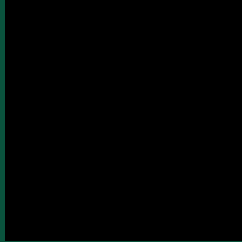
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 28.130, 165.709

Background



This preview shows how black text looks on a background with the CIELCh color 31, 28.130, 165.709.



This preview shows how white text looks on a background with the CIELCh color 31, 28.130, 165.709.

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

31, 28.025, 165.604

Protanopia

31, 11.007, 95.684

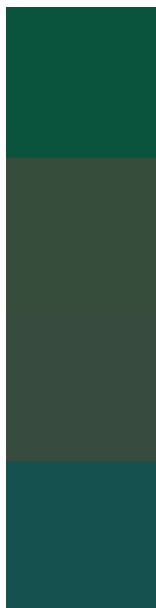
Deuteranopia

31, 7.177, 52.043



Tritanopia
31, 17.278, 212.287

Trichromacy



Original Color
31, 28.025, 165.604

Protanomaly
30, 16.124, 148.708

Deuteranomaly
30, 11.370, 155.359

Tritanomaly
31, 19.804, 191.014

Monochromacy



Original Color
31, 28.025, 165.604

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 12.537, 172.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 28.130, 165.709 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(10, 83, 61)` looks like.

```
.text, #text, p{  
    color:rgb(10, 83, 61)  
}
```

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(10, 83, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 83, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 28.130, 165.709 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(10, 83, 61) }
```

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

```
.border{ border-color:rgb(10, 83, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 83, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 83, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 83, 61);  
box-shadow:4px 4px 4px 4px rgb(10, 83, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 28.130, 165.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 83, 61) }
```

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

```
.background{ background-color: rgb(10, 83,  
61) }
```

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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