

Converting Colors

CIELCh(30, 33.543, 161.609)

Have a look what the booklet for
CIELCh(30, 33.543, 161.609)
contains.

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Color

CIELCh(30, 31.963, 159.932)

Conversions

Conversions Part 1

Format	Color
Hex	005235
RGB	0, 82, 53
RGB Percent	0%, 32%, 21%
CMY	1.0000, 0.6797, 0.7933
CMYK	1.00, 0.00, 0.35, 0.68
HSL	159°, 100%, 16%
HSV	159°, 100%, 32%
XYZ	3.6218, 6.2359, 4.3446
YIQ	54.1760, -39.5630, -26.4030

Conversions

Conversions Part 2

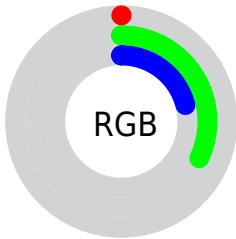
Format	Color
RYB	0, 50, 82
Decimal	21045
CIELab	30.00, -30.02, 10.97
CIELCh	30, 31.963, 159.932
Yxy	6.2359, 0.2550, 0.4391
Android (android.graphics.Color)	4278211125 (0xFF005235)
YUV	54.1760, -0.5798, -47.5124
Hunter-Lab	24.9718, -17.8120, 7.1650

Details

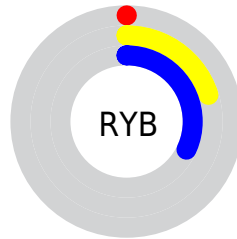
The CIELCh color **30, 31.963, 159.932** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **15, 37.050, 10.940**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 31.707, 160.243**, and **12, 24.538, 147.778** is the 20% darker color. If you saturate the color by 10%, you get **30, 31.908, 159.872**, and if you desaturate by 10%, it is **30, 29.750, 161.462**.

Distribution



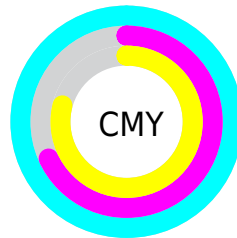
- Red (0%)
- Green (32%)
- Blue (21%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (68%)





- Cyan (100%)
- Magenta (68%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 31.963, 159.932 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, 31.963, 159.932 by changing the saturation by 10% instead.


 30, 31.963,
159.932


 30, 31.963,
159.932

 100, 31.963,
159.932


 20, 31.963,
159.932


 50, 31.963,
159.932


 10, 31.963,
159.932

 60, 31.963,
159.932

 0, 31.963, 159.932

 70, 31.963,
159.932

 80, 31.963,
159.932

 90, 31.963,
159.932

■ 30, 31.963,
159.932

■ 30, 31.963,
159.932

■ 30, 31.908,
159.872

■ 30, 29.750,
161.462

■ 30, 27.520,
163.183

■ 31, 24.942,
164.747

■ 31, 22.026,
166.154

■ 31, 18.807,
167.423

■ 32, 15.336,
168.574

■ 33, 11.667,
169.624

■ 33, 7.855, 170.594

Harmonies

Complementary

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



30, 31.963, 159.932



15, 37.050, 10.940

Rectangle

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



30, 31.963, 159.932



30, 31.963, 209.932



30, 31.963, 339.932



30, 31.963, 29.932

Sweetspot

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



30, 31.908, 159.872



43, 14.576, 169.515



30, 48.935, 130.485



21, 9.798, 169.274



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, 31.908, 159.872



40, 39.090, 159.006



27, 19.246, 218.795



16, 2.207, 171.630



39, 38.386, 159.075



82, 70.831, 157.417

Inverse Universe

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



15, 37.050, 10.940



21, 44.915, 13.011



16, 39.473, 37.394



15, 2.250, 352.945



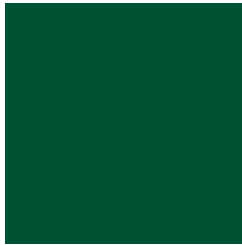
20, 44.140, 12.844



49, 80.121, 16.916

Previews

White Background



This preview shows how the CIELCh color 30, 31.963, 159.932 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, 31.963, 159.932 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, 31.963, 159.932

Background



This preview shows how black text looks on a background with the CIELCh color 30, 31.963, 159.932.



This preview shows how white text looks on a background with the CIELCh color 30, 31.963, 159.932.

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

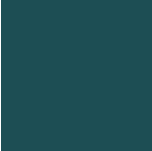
30, 31.963, 159.932

Protanopia

30, 14.850, 95.974

Deuteranopia

30, 10.607, 65.805



Tritanopia
30, 16.589, 210.710

Trichromacy



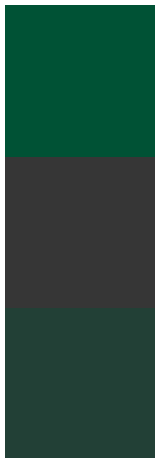
Original Color
30, 31.963, 159.932

Protanomaly
29, 19.784, 143.263

Deuteranomaly
29, 14.666, 145.584

Tritanomaly
30, 20.568, 185.571

Monochromacy



Original Color
30, 31.963, 159.932

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 14.291, 169.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 31.963, 159.932 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, 82, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 53)  
}
```

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, 82, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 31.963, 159.932 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, 82, 53) }
```

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

```
.border{ border-color:rgb(0, 82, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 82, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 53); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 82, 53); box-shadow:4px  
4px 4px 4px rgb(0, 82, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 31.963, 159.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 53) }
```

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

```
.background{ background-color: rgb(0, 82,  
53) }
```

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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