

Converting Colors

CIELCh(33, 31.886, 161.603)

Have a look what the booklet for
CIELCh(33, 31.886, 161.603)
contains.

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Color

CIELCh(33, 31.788, 161.793)

Conversions

Conversions Part 1

Format	Color
Hex	07593D
RGB	7, 89, 61
RGB Percent	3%, 35%, 24%
CMY	0.9721, 0.6508, 0.7606
CMYK	0.92, 0.00, 0.31, 0.65
HSL	159°, 85%, 19%
HSV	159°, 92%, 35%
XYZ	4.5096, 7.5373, 5.6393
YIQ	61.2900, -39.8840, -26.0920

Conversions

Conversions Part 2

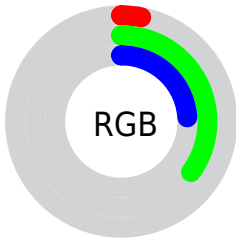
Format	Color
RYB	7, 56, 89
Decimal	481597
CIELab	33.00, -30.20, 9.93
CIELCh	33, 31.788, 161.793
Yxy	7.5373, 0.2550, 0.4262
Android (android.graphics.Color)	4278671677 (0xFF07593D)
YUV	61.2900, -0.1430, -47.6123
Hunter-Lab	27.4541, -18.7243, 7.0393

Details

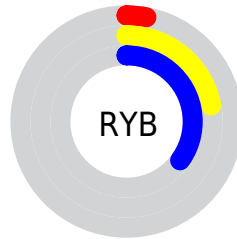
The CIELCh color **33, 31.788, 161.793** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **17, 37.273, 10.087**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 31.842, 162.182**, and **14, 23.831, 152.325** is the 20% darker color. If you saturate the color by 10%, you get **33, 33.524, 160.482**, and if you desaturate by 10%, it is **33, 29.559, 163.564**.

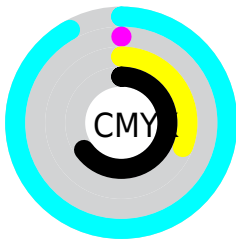
Distribution



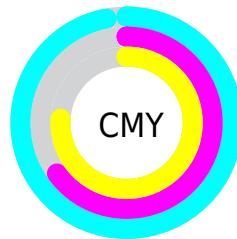
- Red (3%)
- Green (35%)
- Blue (24%)



- Red (3%)
- Yellow (22%)
- Blue (35%)



- Cyan (92%)
- Magenta (0%)
- Yellow (31%)
- Black (65%)





- Cyan (97%)
- Magenta (65%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 31.788, 161.793 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 33, 31.788, 161.793 by changing the saturation by 10% instead.


 33, 31.788,
161.793


 33, 31.788,
161.793

 100, 31.788,
161.793


 23, 31.788,
161.793

 53, 31.788,
161.793


 13, 31.788,
161.793


 63, 31.788,
161.793

 3, 31.788, 161.793

 73, 31.788,
161.793

 0, 31.788, 161.793

 83, 31.788,
161.793

 93, 31.788,
161.793

■ 33, 31.788,
161.793

■ 33, 31.788,
161.793

■ 33, 33.524,
160.482

■ 33, 29.559,
163.564

■ 33, 26.962,
165.184

■ 34, 23.986,
166.641

■ 34, 20.667,
167.955

■ 35, 17.055,
169.144

■ 35, 13.209,
170.228

■ 36, 9.189, 171.227

■ 37, 5.052, 172.165

Harmonies

Complementary

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



33, 31.788, 161.793



17, 37.273, 10.087

Rectangle

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



33, 31.788, 161.793



33, 31.788, 211.793



33, 31.788, 341.793



33, 31.788, 31.793

Sweetspot

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



33, 31.788, 161.792



46, 14.295, 170.550



33, 49.523, 131.139



23, 9.910, 170.255



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 31.788, 161.792



42, 40.557, 159.730



30, 19.717, 220.913



17, 2.304, 172.469



40, 38.497, 159.919



83, 70.300, 158.326

Inverse Universe

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



17, 37.273, 10.087



23, 47.374, 14.671



18, 39.857, 38.828



16, 2.352, 353.814



21, 45.049, 14.203



50, 81.195, 18.194

Previews

White Background



This preview shows how the CIELCh color 33, 31.788, 161.793 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 33, 31.788, 161.793 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 33, 31.788, 161.793

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.788, 161.793.



This preview shows how white text looks on a background with the CIELCh color 33, 31.788, 161.793.

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

33, 31.788, 161.793

Protanopia

33, 13.448, 95.502

Deuteranopia

33, 9.927, 63.779



Tritanopia
33, 17.853, 211.640

Trichromacy



Original Color
33, 31.788, 161.793

Protanomaly
32, 18.520, 145.636

Deuteranomaly
32, 13.934, 147.268

Tritanomaly
33, 21.181, 187.877

Monochromacy



Original Color
33, 31.788, 161.793

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 14.149, 169.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.788, 161.793 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(7, 89, 61)` looks like.

```
.text, #text, p{  
    color:rgb(7, 89, 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(7, 89, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 89, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.788, 161.793 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(7, 89, 61) }
```

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

```
.border{ border-color:rgb(7, 89, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 89, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 89, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 89, 61); box-shadow:4px  
4px 4px 4px rgb(7, 89, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.788, 161.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 89, 61) }
```

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

```
.background{ background-color: rgb(7, 89,  
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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