

Converting Colors

CIELCh(33, 19.228, 106.156)

Have a look what the booklet for
CIELCh(33, 19.228, 106.156)
contains.

CIELCh(33, 19.157, 105.303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 19.157, 105.303)

Conversions

Conversions Part 1

Format	Color
Hex	504F30
RGB	80, 79, 48
RGB Percent	31%, 31%, 19%
CMY	0.6857, 0.6897, 0.8113
CMYK	0.00, 0.01, 0.40, 0.69
HSL	58°, 25%, 25%
HSV	58°, 40%, 31%
XYZ	6.6617, 7.5373, 3.9138
YIQ	75.7650, 10.5470, -9.4290

Conversions

Conversions Part 2

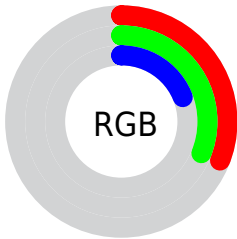
Format	Color
R_{YB}	49, 80, 48
Decimal	5263152
CIE Lab	33.00, -5.06, 18.48
CIE LCh	33, 19.157, 105.303
Yxy	7.5373, 0.3678, 0.4161
Android (android.graphics.Color)	4283453232 (0xFF504F30)
YUV	75.7650, -13.6881, 3.7141
Hunter-Lab	27.4541, -4.7320, 10.7656

Details

The CIELCh color **33, 19.157, 105.303** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 20.877, 293.711**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 18.897, 105.153**, and **13, 19.431, 106.172** is the 20% darker color. If you saturate the color by 10%, you get **33, 23.722, 104.431**, and if you desaturate by 10%, it is **33, 14.450, 106.205**.

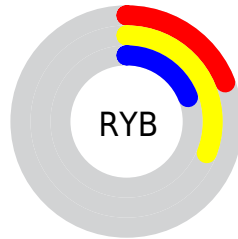
Distribution



Red (31%)

Green (31%)

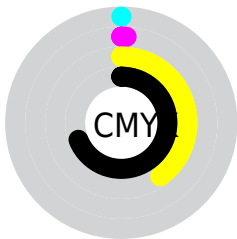
Blue (19%)



Red (19%)

Yellow (31%)

Blue (19%)

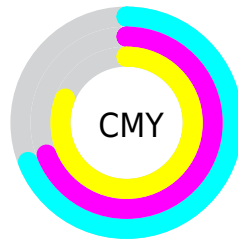


Cyan (0%)

Magenta (1%)

Yellow (40%)

Black (69%)



Cyan (69%)


Magenta (69%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 19.157, 105.303 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, 19.157, 105.303 by changing the saturation by 10% instead.


 33, 19.157,
105.303


 33, 19.157,
105.303


 100, 19.157,
105.303


 23, 19.157,
105.303


 53, 19.157,
105.303


 13, 19.157,
105.303


 63, 19.157,
105.303

 3, 19.157, 105.303

 73, 19.157,
105.303

 0, 19.157, 105.303

 83, 19.157,
105.303

 93, 19.157,
105.303

■ 33, 19.157,
105.303

■ 33, 19.157,
105.303

■ 33, 23.722,
104.431

■ 33, 14.450,
106.205

■ 33, 28.055,
103.597

■ 33, 9.659, 107.112

■ 32, 32.028,
102.828

■ 34, 4.822, 108.012

■ 32, 35.466,
102.148

■ 34, 0.033, 290.125

■ 32, 38.200,
101.579

■ 34, 4.890, 289.791

■ 32, 40.951,
101.025

■ 35, 9.737, 290.632

■ 32, 40.968,
101.022

■ 35, 14.566,
291.445

■ 36, 19.371,
292.225

■ 36, 24.147,
292.971

Harmonies

Complementary

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



33, 19.157, 105.303



22, 20.877, 293.711

Rectangle

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



33, 19.157, 105.303



33, 19.157, 155.303



33, 19.157, 285.303



33, 19.157, 335.303

Sweetspot

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



33, 19.158, 105.306



44, 7.250, 107.789



24, 15.736, 20.244



22, 4.848, 107.735



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 19.158, 105.306



43, 28.412, 104.449



32, 21.033, 126.165



16, 2.751, 108.119



42, 49.228, 100.954



87, 88.150, 100.818

Inverse Universe

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



22, 20.877, 293.711



26, 31.847, 295.363



23, 22.241, 309.784



15, 2.801, 289.739



10, 67.661, 305.555



29, 123.323, 306.004

Previews

White Background



This preview shows how the CIELCh color 33, 19.157, 105.303 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, 19.157, 105.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

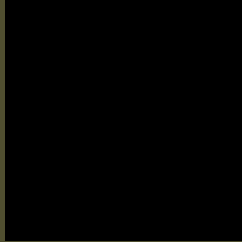
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 19.157, 105.303

Background



This preview shows how black text looks on a background with the CIELCh color 33, 19.157, 105.303.

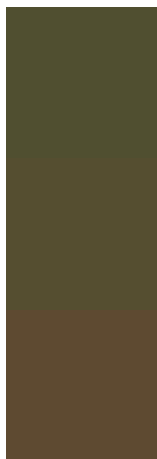


This preview shows how white text looks on a background with the CIELCh color 33, 19.157, 105.303.

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, 19.157, 105.303

Protanopia

33, 18.923, 96.388

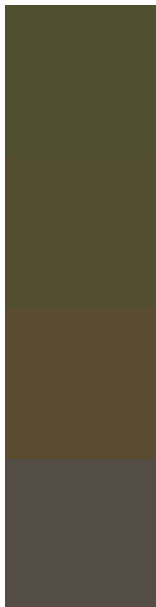
Deuteranopia

33, 18.733, 75.340



Tritanopia
33, 5.446, 336.322

Trichromacy



Original Color
33, 19.157, 105.303

Protanomaly
33, 18.757, 99.344

Deuteranomaly
33, 18.094, 86.389

Tritanomaly
33, 5.712, 80.750

Monochromacy



Original Color
33, 19.157, 105.303

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 6.922, 105.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 19.157, 105.303 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(80, 79, 48)` looks like.

```
.text, #text, p{  
    color:rgb(80, 79, 48)  
}
```

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(80, 79, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 79, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 19.157, 105.303 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(80, 79, 48) }
```

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

```
.border{ border-color:rgb(80, 79, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 79, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 79, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 79, 48);  
box-shadow:4px 4px 4px 4px rgb(80, 79, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 19.157, 105.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 79, 48) }
```

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

```
.background{ background-color: rgb(80, 79,  
48) }
```

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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