

Converting Colors

CIELCh(30, 33.525, 18.446)

Have a look what the booklet for
CIELCh(30, 33.525, 18.446) contains.

CIELCh(30, 33.167, 18.324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 33.167, 18.324)

Conversions

Conversions Part 1

Format	Color
Hex	763038
RGB	118, 48, 56
RGB Percent	46%, 19%, 22%
CMY	0.5377, 0.8121, 0.7807
CMYK	0.00, 0.59, 0.53, 0.54
HSL	353°, 42%, 33%
HSV	353°, 59%, 46%
XYZ	9.2227, 6.2359, 4.4484
YIQ	69.8420, 39.1520, 17.3280

Conversions

Conversions Part 2

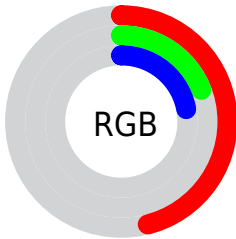
Format	Color
RYB	118, 48, 56
Decimal	7745592
CIELab	30.00, 31.49, 10.43
CIElCh	30, 33.167, 18.324
Yxy	6.2359, 0.4633, 0.3133
Android (android.graphics.Color)	4285935672 (0xFF763038)
YUV	69.8420, -6.8241, 42.2346
Hunter-Lab	24.9718, 22.2238, 6.9185

Details

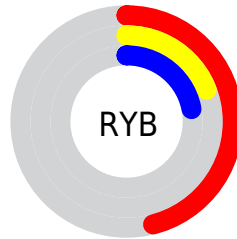
The CIELCh color **30, 33.167, 18.324** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **45, 24.040, 185.227**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 33.003, 18.012**, and **10, 32.470, 19.173** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.981, 21.152**, and if you desaturate by 10%, it is **33, 27.192, 16.078**.

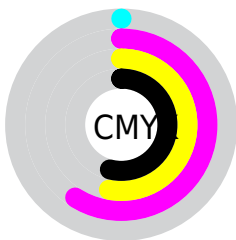
Distribution



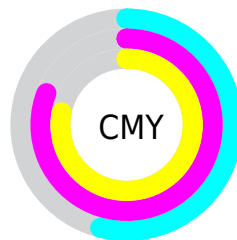
- Red (46%)
- Green (19%)
- Blue (22%)



- Red (46%)
- Yellow (19%)
- Blue (22%)



- Cyan (0%)
- Magenta (59%)
- Yellow (53%)
- Black (54%)



- Cyan (54%)
- Magenta (81%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 33.167, 18.324 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, 33.167, 18.324 by changing the saturation by 10% instead.

 30, 33.167, 18.324

 30, 33.167, 18.324

 100, 33.167,
18.324

 20, 33.167, 18.324

 50, 33.167, 18.324

 10, 33.167, 18.324

 60, 33.167, 18.324

 0, 33.167, 18.324

 70, 33.167, 18.324

 80, 33.167, 18.324

 90, 33.167, 18.324

 30, 33.167, 18.324

 30, 33.167, 18.324

 28, 38.981, 21.152

 33, 27.192, 16.078

26, 44.453, 24.645

36, 21.240, 14.288

24, 49.424, 28.781

39, 15.446, 12.849

23, 53.967, 32.654

43, 9.899, 11.672

23, 54.235, 32.814

46, 4.644, 10.670

50, 0.306, 191.123

54, 4.958, 189.331

57, 9.328, 188.706

61, 13.441,
188.179

Harmonies

Complementary

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



30, 33.167, 18.324



45, 24.040, 185.227

Rectangle

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



30, 33.167, 18.324



30, 33.167, 68.324



30, 33.167, 198.324



30, 33.167, 248.324

Sweetspot

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



30, 33.165, 18.327



55, 11.364, 11.575



31, 47.584, 323.711



27, 7.904, 11.829



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



30, 33.165, 18.327



36, 49.393, 22.268



36, 27.976, 56.847



23, 2.778, 10.638



24, 55.896, 33.127



52, 97.791, 35.958

Inverse Universe

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



30, 33.165, 18.327



36, 49.393, 22.268



37, 20.746, 252.073



23, 2.778, 10.638



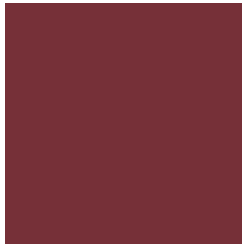
24, 55.896, 33.127



52, 97.791, 35.958

Previews

White Background



This preview shows how the CIELCh color 30, 33.167, 18.324 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 CIE LCh color 30, 33.167, 18.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

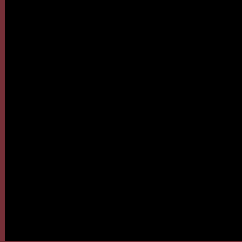
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 33.167, 18.324

Background



This preview shows how black text looks on a background with the CIELCh color 30, 33.167, 18.324.



This preview shows how white text looks on a background with the CIELCh color 30, 33.167, 18.324.

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, 33.167, 18.324

Protanopia

30, 2.876, 81.616

Deuteranopia

31, 12.939, 71.130



Tritanopia
30, 33.296, 23.339

Trichromacy



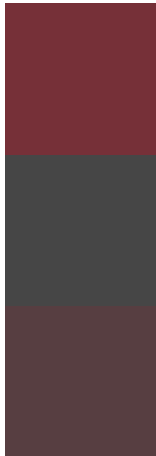
Original Color
30, 33.167, 18.324

Protanomaly
30, 12.695, 21.633

Deuteranomaly
30, 18.416, 36.103

Tritanomaly
30, 33.142, 22.288

Monochromacy



Original Color
30, 33.167, 18.324

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 11.719, 12.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 33.167, 18.324 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(118, 48, 56)` looks like.

```
.text, #text, p{  
    color:rgb(118, 48, 56)  
}
```

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(118, 48, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 48, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 33.167, 18.324 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(118, 48, 56) }
```

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

```
.border{ border-color:rgb(118, 48, 56) }
```

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

Here you see how a box with a 4 pixel rgb(118, 48, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 48, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 48, 56);  
box-shadow:4px 4px 4px 4px rgb(118, 48,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 33.167, 18.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 48, 56) }
```

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

```
.background{ background-color: rgb(118, 48,  
56) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor