

Converting Colors

CIELCh(33, 17.758, 14.935)

Have a look what the booklet for
CIELCh(33, 17.758, 14.935) contains.

CIELCh(33, 18.062, 14.727)	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(33, 18.062, 14.727)

Conversions

Conversions Part 1

Format	Color
Hex	6A4347
RGB	106, 67, 71
RGB Percent	42%, 26%, 28%
CMY	0.5842, 0.7372, 0.7215
CMYK	0.00, 0.37, 0.33, 0.58
HSL	354°, 23%, 34%
HSV	354°, 37%, 42%
XYZ	9.0926, 7.5373, 6.9401
YIQ	79.1170, 21.9600, 9.5120

Conversions

Conversions Part 2

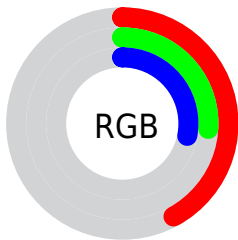
Format	Color
R_{YB}	106, 67, 71
Decimal	6964039
CIE Lab	33.00, 17.47, 4.59
CIE LCh	33, 18.062, 14.727
Yxy	7.5373, 0.3858, 0.3198
Android (android.graphics.Color)	4285154119 (0xFF6A4347)
YUV	79.1170, -4.0017, 23.5764
Hunter-Lab	27.4541, 11.0732, 4.2300

Details

The CIELCh color **33, 18.062, 14.727** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **42, 14.898, 188.239**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 17.648, 15.922**, and **13, 18.033, 14.481** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.506, 16.373**, and if you desaturate by 10%, it is **36, 12.800, 13.405**.

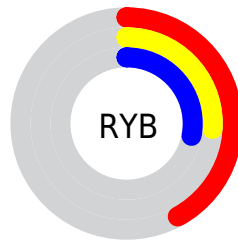
Distribution



Red (42%)

Green (26%)

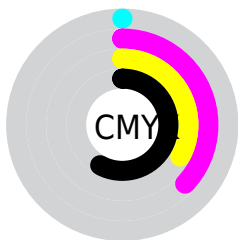
Blue (28%)



Red (42%)

Yellow (26%)

Blue (28%)

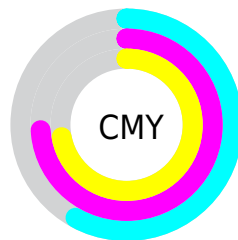


Cyan (0%)

Magenta (37%)

Yellow (33%)

Black (58%)



Cyan (58%)

Magenta (74%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 18.062, 14.727 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, 18.062, 14.727 by changing the saturation by 10% instead.

■ 33, 18.062, 14.727

■ 33, 18.062, 14.727

■ 100, 18.062,
14.727

■ 23, 18.062, 14.727

■ 53, 18.062, 14.727

■ 13, 18.062, 14.727

■ 63, 18.062, 14.727

■ 3, 18.062, 14.727

■ 73, 18.062, 14.727

■ 0, 18.062, 14.727

■ 83, 18.062, 14.727

■ 93, 18.062, 14.727

■ 33, 18.062, 14.727

■ 33, 18.062, 14.727

■ 30, 23.506, 16.373

■ 36, 12.800, 13.405

27, 29.030, 18.431

39, 7.787, 12.314

25, 34.484, 21.015

43, 3.052, 11.359

23, 39.699, 24.224

46, 1.400, 190.964

22, 44.519, 28.073

49, 5.581, 190.149

21, 48.785, 31.689

53, 9.508, 189.576

20, 49.990, 32.279

56, 13.204,
189.088

60, 16.692,
188.662

63, 19.993,
188.284

Harmonies

Complementary

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



33, 18.062, 14.727



42, 14.898, 188.239

Rectangle

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



33, 18.062, 14.727



33, 18.062, 64.727



33, 18.062, 194.727



33, 18.062, 244.727

Sweetspot

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



33, 18.061, 14.731



53, 6.220, 11.786



34, 27.817, 322.872



26, 4.160, 11.873



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



33, 18.061, 14.731



40, 27.310, 16.091



37, 14.772, 58.618



21, 2.567, 11.567



23, 54.337, 33.359



51, 96.898, 36.499

Inverse Universe

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



33, 18.061, 14.731



40, 27.310, 16.091



37, 12.464, 246.725



21, 2.567, 11.567



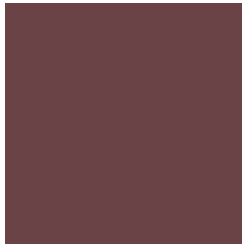
23, 54.337, 33.359



51, 96.898, 36.499

Previews

White Background



This preview shows how the CIELCh color 33, 18.062, 14.727 looks on a white background.

Color Contrast Check

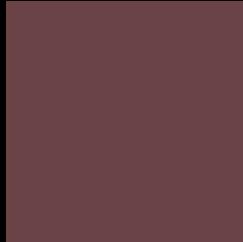
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.062, 14.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

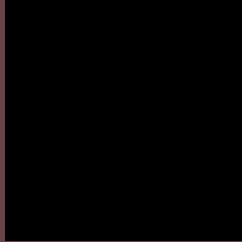
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 18.062, 14.727

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.062, 14.727.



This preview shows how white text looks on a background with the CIELCh color 33, 18.062, 14.727.

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, 18.062, 14.727

Protanopia

33, 1.068, 55.192

Deuteranopia

33, 7.154, 46.095



Tritanopia
33, 18.066, 12.763

Trichromacy



Original Color
33, 18.062, 14.727

Protanomaly
33, 6.739, 15.124

Deuteranomaly
33, 10.690, 27.722

Tritanomaly
33, 18.066, 12.763

Monochromacy



Original Color
33, 18.062, 14.727

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 6.269, 14.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.062, 14.727 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(106, 67, 71)` looks like.

```
.text, #text, p{  
    color:rgb(106, 67, 71)  
}
```

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(106, 67, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 67, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.062, 14.727 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(106, 67, 71) }
```

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

```
.border{ border-color:rgb(106, 67, 71) }
```

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

Here you see how a box with a 4 pixel rgb(106, 67, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 67, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 67, 71);  
box-shadow:4px 4px 4px 4px rgb(106, 67,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.062, 14.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 67, 71) }
```

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

```
.background{ background-color: rgb(106, 67,  
71) }
```

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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