

Converting Colors

CIELCh(33, 15.373, 6.805)

Have a look what the booklet for
CIELCh(33, 15.373, 6.805) contains.

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Color

CIELCh(33, 15.319, 8.014)

Conversions

Conversions Part 1

Format	Color
Hex	66454B
RGB	102, 69, 75
RGB Percent	40%, 27%, 29%
CMY	0.6011, 0.7304, 0.7069
CMYK	0.00, 0.32, 0.27, 0.60
HSL	349°, 19%, 33%
HSV	349°, 32%, 40%
XYZ	8.8211, 7.5373, 7.6000
YIQ	79.5510, 17.7420, 8.8620

Conversions

Conversions Part 2

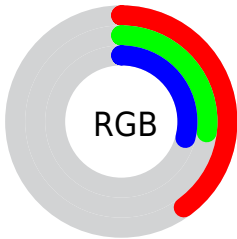
Format	Color
R_{YB}	102, 69, 75
Decimal	6702411
CIE _{Lab}	33.00, 15.17, 2.14
CIE _{LCh}	33, 15.319, 8.014
Yxy	7.5373, 0.3682, 0.3146
Android (android.graphics.Color)	4284892491 (0xFF66454B)
YUV	79.5510, -2.2436, 19.6878
Hunter-Lab	27.4541, 9.3078, 2.8048

Details

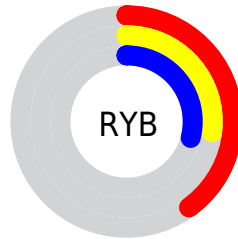
The CIELCh color **33, 15.319, 8.014** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 13.399, 181.881**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 15.198, 8.148**, and **13, 15.418, 8.721** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.417, 9.534**, and if you desaturate by 10%, it is **36, 10.358, 6.759**.

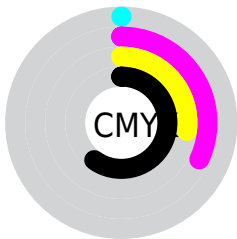
Distribution



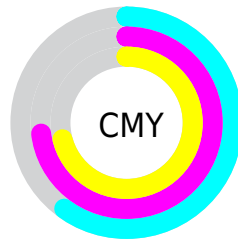
- Red (40%)
- Green (27%)
- Blue (29%)



- Red (40%)
- Yellow (27%)
- Blue (29%)



- Cyan (0%)
- Magenta (32%)
- Yellow (27%)
- Black (60%)



- Cyan (60%)
- Magenta (73%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 15.319, 8.014 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, 15.319, 8.014 by changing the saturation by 10% instead.

 33, 15.319, 8.014  33, 15.319, 8.014

 100, 15.319, 8.014  23, 15.319, 8.014

 53, 15.319, 8.014  13, 15.319, 8.014

 63, 15.319, 8.014  3, 15.319, 8.014

 73, 15.319, 8.014  0, 15.319, 8.014

 83, 15.319, 8.014

 93, 15.319, 8.014

 33, 15.319, 8.014  33, 15.319, 8.014

 30, 20.417, 9.534  36, 10.358, 6.759

 27, 25.556, 11.394  39, 5.597, 5.683

■ 25, 30.593, 13.706

■ 42, 1.063, 4.548

■ 23, 35.358, 16.593

■ 46, 3.235, 184.166

■ 21, 39.690, 20.168

■ 49, 7.305, 183.431

■ 20, 43.524, 24.424

■ 52, 11.159,
182.813

■ 19, 46.504, 27.329

■ 55, 14.814,
182.267

■ 59, 18.288,
181.775

■ 62, 21.598,
181.330

Harmonies

Complementary

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



33, 15.319, 8.014



40, 13.399, 181.881

Rectangle

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



33, 15.319, 8.014



33, 15.319, 58.014



33, 15.319, 188.014



33, 15.319, 238.014

Sweetspot

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



33, 15.318, 8.018



51, 5.573, 5.469



33, 23.345, 320.665



25, 3.781, 5.567



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



33, 15.318, 8.018



41, 23.251, 9.160



36, 12.464, 51.586



19, 2.513, 5.332



23, 51.028, 28.255



51, 91.309, 31.756

Inverse Universe

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



33, 15.318, 8.018



41, 23.251, 9.160



37, 10.442, 236.894



19, 2.513, 5.332



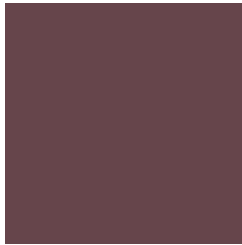
23, 51.028, 28.255



51, 91.309, 31.756

Previews

White Background



This preview shows how the CIELCh color 33, 15.319, 8.014 looks on a white background.

Color Contrast Check

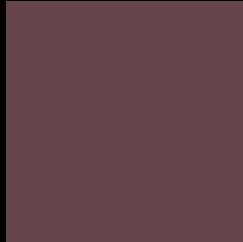
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 15.319, 8.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

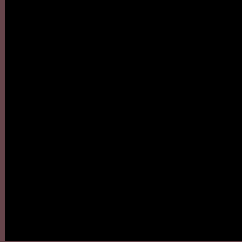
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 15.319, 8.014

Background



This preview shows how black text looks on a background with the CIELCh color 33, 15.319, 8.014.



This preview shows how white text looks on a background with the CIELCh color 33, 15.319, 8.014.

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, 15.319, 8.014

Protanopia

33, 1.339, 309.121

Deuteranopia

33, 5.415, 26.803



Tritanopia
33, 15.253, 10.323

Trichromacy



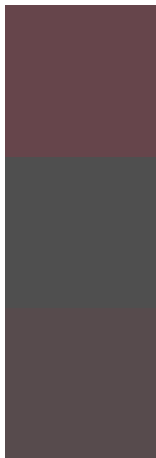
Original Color
33, 15.319, 8.014

Protanomaly
33, 5.613, 0.705

Deuteranomaly
33, 8.590, 16.601

Tritanomaly
33, 15.253, 10.323

Monochromacy



Original Color
33, 15.319, 8.014

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 5.455, 6.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 15.319, 8.014 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(102, 69, 75)` looks like.

```
.text, #text, p{  
    color:rgb(102, 69, 75)  
}
```

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(102, 69, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 69, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 15.319, 8.014 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(102, 69, 75) }
```

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

```
.border{ border-color:rgb(102, 69, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 69, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 69, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 69, 75);  
box-shadow:4px 4px 4px 4px rgb(102, 69,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 15.319, 8.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 69, 75) }
```

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

```
.background{ background-color: rgb(102, 69,  
75) }
```

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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