

Converting Colors

CIELCh(33, 13.841, 11.430)

Have a look what the booklet for
CIELCh(33, 13.841, 11.430) contains.

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Color

CIELCh(33, 13.807, 11.396)

Conversions

Conversions Part 1

Format	Color
Hex	64464A
RGB	100, 70, 74
RGB Percent	39%, 27%, 29%
CMY	0.6088, 0.7264, 0.7107
CMYK	0.00, 0.30, 0.26, 0.61
HSL	352°, 18%, 33%
HSV	352°, 30%, 39%
XYZ	8.6314, 7.5373, 7.4372
YIQ	79.4260, 16.5960, 7.6040

Conversions

Conversions Part 2

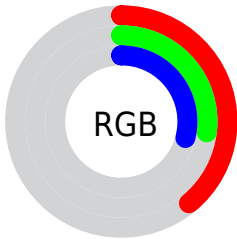
Format	Color
RYB	100, 70, 74
Decimal	6571594
CIELab	33.00, 13.53, 2.73
CIElCh	33, 13.807, 11.396
Yxy	7.5373, 0.3656, 0.3193
Android (android.graphics.Color)	4284761674 (0xFF64464A)
YUV	79.4260, -2.6750, 18.0434
Hunter-Lab	27.4541, 8.0744, 3.1565

Details

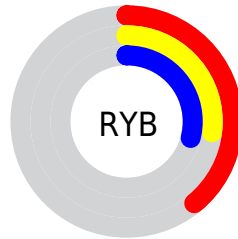
The CIELCh color **33, 13.807, 11.396** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **40, 11.990, 186.121**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 13.797, 11.455**, and **13, 13.798, 12.074** is the 20% darker color. If you saturate the color by 10%, you get **30, 18.834, 12.827**, and if you desaturate by 10%, it is **36, 8.971, 10.223**.

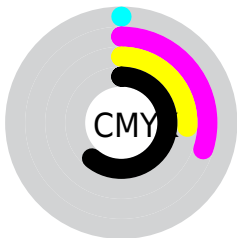
Distribution



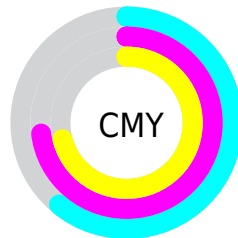
- Red (39%)
- Green (27%)
- Blue (29%)



- Red (39%)
- Yellow (27%)
- Blue (29%)



- Cyan (0%)
- Magenta (30%)
- Yellow (26%)
- Black (61%)



- Cyan (61%)
- Magenta (73%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 13.807, 11.396 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, 13.807, 11.396 by changing the saturation by 10% instead.

■ 33, 13.807, 11.396

■ 33, 13.807, 11.396

■ 100, 13.807,
11.396

■ 23, 13.807, 11.396

■ 53, 13.807, 11.396

■ 13, 13.807, 11.396

■ 63, 13.807, 11.396

■ 3, 13.807, 11.396

■ 73, 13.807, 11.396

■ 0, 13.807, 11.396

■ 83, 13.807, 11.396

■ 93, 13.807, 11.396

■ 33, 13.807, 11.396

■ 33, 13.807, 11.396

■ 30, 18.834, 12.827

■ 36, 8.971, 10.223

■ 27, 23.979, 14.586

■ 39, 4.373, 9.215

■ 25, 29.122, 16.780

■ 42, 0.026, 356.091

■ 23, 34.111, 19.524

■ 45, 4.074, 187.842

■ 21, 38.787, 22.917

■ 49, 7.936, 187.193

■ 20, 43.026, 26.972

■ 52, 11.580,
186.643

■ 19, 46.892, 30.045

■ 55, 15.025,
186.160

■ 58, 18.291,
185.729

■ 62, 21.396,
185.342

Harmonies

Complementary

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



33, 13.807, 11.396



40, 11.990, 186.121

Rectangle

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



33, 13.807, 11.396



33, 13.807, 61.396



33, 13.807, 191.396



33, 13.807, 241.396

Sweetspot

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



33, 13.806, 11.400



51, 4.856, 9.139



33, 21.462, 321.575



26, 3.412, 9.244



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, 13.806, 11.400



41, 20.913, 12.369



36, 11.225, 55.447



19, 2.479, 9.108



23, 52.528, 31.529



51, 94.304, 34.844

Inverse Universe

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



33, 13.806, 11.400



41, 20.913, 12.369



37, 9.674, 241.100



19, 2.479, 9.108



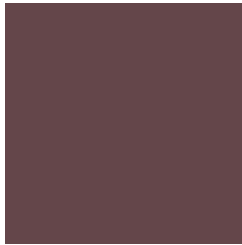
23, 52.528, 31.529



51, 94.304, 34.844

Previews

White Background



This preview shows how the CIELCh color 33, 13.807, 11.396 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, 13.807, 11.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

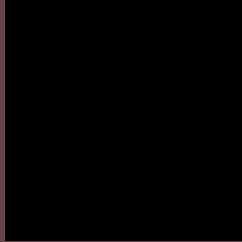
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 13.807, 11.396

Background



This preview shows how black text looks on a background with the CIELCh color 33, 13.807, 11.396.

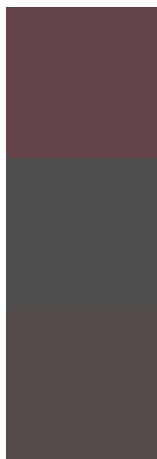


This preview shows how white text looks on a background with the CIELCh color 33, 13.807, 11.396.

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, 13.807, 11.396

Protanopia

33, 1.081, 343.644

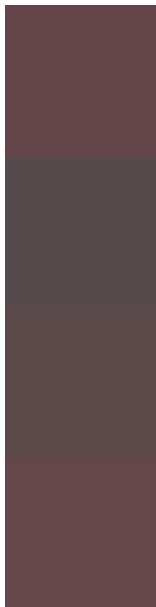
Deuteranopia

33, 5.549, 33.179



Tritanopia
33, 13.867, 8.841

Trichromacy



Original Color
33, 13.807, 11.396

Protanomaly
33, 5.908, 8.069

Deuteranomaly
33, 8.611, 20.747

Tritanomaly
33, 13.867, 8.841

Monochromacy



Original Color
33, 13.807, 11.396

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 4.907, 12.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 13.807, 11.396 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(100, 70, 74)` looks like.

```
.text, #text, p{  
    color:rgb(100, 70, 74)  
}
```

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(100, 70, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 70, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 13.807, 11.396 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(100, 70, 74) }
```

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

```
.border{ border-color:rgb(100, 70, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 70, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 70, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 70, 74);  
box-shadow:4px 4px 4px 4px rgb(100, 70,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 13.807, 11.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 70, 74) }
```

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

```
.background{ background-color: rgb(100, 70,  
74) }
```

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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