

Converting Colors

CIELCh(33, 5.458, 48.062)

Have a look what the booklet for
CIELCh(33, 5.458, 48.062) contains.

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Color

CIELCh(33, 5.592, 46.631)

Conversions

Conversions Part 1

Format	Color
Hex	564B47
RGB	86, 75, 71
RGB Percent	34%, 29%, 28%
CMY	0.6613, 0.7044, 0.7202
CMYK	0.00, 0.13, 0.17, 0.66
HSL	16°, 10%, 31%
HSV	16°, 17%, 34%
XYZ	7.5618, 7.5373, 7.0782
YIQ	77.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

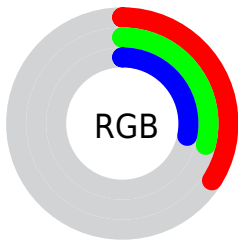
Format	Color
RYB	86, 76, 71
Decimal	5655367
CIELab	33.00, 3.84, 4.07
CIELCh	33, 5.592, 46.631
Yxy	7.5373, 0.3410, 0.3399
Android (android.graphics.Color)	4283845447 (0xFF564B47)
YUV	77.8330, -3.3687, 7.1625
Hunter-Lab	27.4541, 1.1207, 3.9317

Details

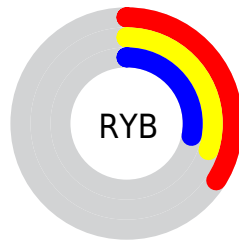
The CIELCh color **33, 5.592, 46.631** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 5.084, 228.571**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 5.714, 50.018**, and **13, 5.754, 42.407** is the 20% darker color. If you saturate the color by 10%, you get **31, 9.137, 46.313**, and if you desaturate by 10%, it is **35, 2.290, 46.993**.

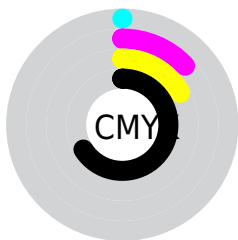
Distribution



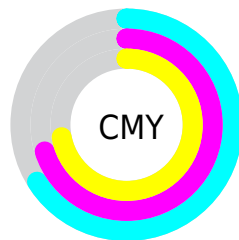
- Red (34%)
- Green (29%)
- Blue (28%)



- Red (34%)
- Yellow (30%)
- Blue (28%)



- Cyan (0%)
- Magenta (13%)
- Yellow (17%)
- Black (66%)



- Cyan (66%)
- Magenta (70%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 5.592, 46.631 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, 5.592, 46.631 by changing the saturation by 10% instead.

 33, 5.592, 46.631  33, 5.592, 46.631

 100, 5.592, 46.631  23, 5.592, 46.631

 53, 5.592, 46.631  13, 5.592, 46.631

 63, 5.592, 46.631  3, 5.592, 46.631


 73, 5.592, 46.631  0, 5.592, 46.631

 83, 5.592, 46.631

 93, 5.592, 46.631

 33, 5.592, 46.631  33, 5.592, 46.631

 31, 9.137, 46.313  35, 2.290, 46.993

 29, 12.945, 46.061  37, 0.788, 227.952

■ 27, 17.026, 45.915

■ 39, 3.664, 228.181

■ 25, 21.376, 45.895

■ 42, 6.361, 228.685

■ 23, 25.967, 46.005

■ 44, 8.899, 229.224

■ 22, 30.722, 46.216

■ 46, 11.295,
229.776

■ 20, 35.063, 45.790

■ 48, 13.566,
230.331

■ 19, 38.591, 44.691

■ 18, 39.487, 44.522

■ 50, 15.727,
230.884

■ 53, 17.790,
231.430

Harmonies

Complementary

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



33, 5.592, 46.631



34, 5.084, 228.571

Rectangle

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



33, 5.592, 46.631



33, 5.592, 96.631



33, 5.592, 226.631



33, 5.592, 276.631

Sweetspot

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



33, 5.592, 46.645



46, 1.910, 47.039



32, 9.518, 334.024



23, 1.291, 47.034



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 5.592, 46.645



42, 8.516, 46.494



35, 7.306, 96.442



16, 1.751, 46.951



24, 48.304, 45.823



53, 90.823, 45.472

Inverse Universe

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



34, 5.084, 228.571



44, 7.543, 228.901



32, 7.403, 280.395



17, 1.673, 228.042



31, 24.267, 247.027



66, 44.059, 250.481

Previews

White Background



This preview shows how the CIELCh color 33, 5.592, 46.631 looks on a white background.

Color Contrast Check

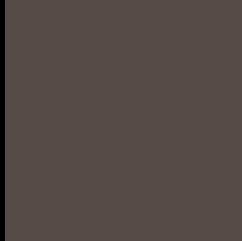
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.592, 46.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

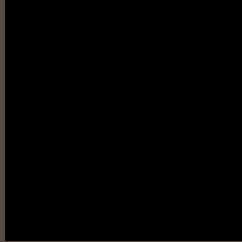
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 5.592, 46.631

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.592, 46.631.

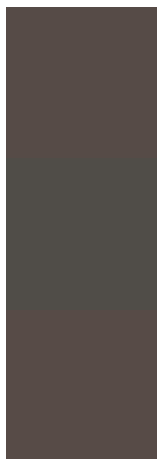


This preview shows how white text looks on a background with the CIELCh color 33, 5.592, 46.631.

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, 5.592, 46.631

Protanopia

33, 3.406, 86.467

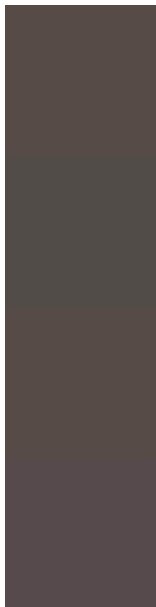
Deuteranopia

33, 6.011, 44.700



Tritanopia
33, 6.824, 346.957

Trichromacy



Original Color
33, 5.592, 46.631

Protanomaly
33, 3.676, 62.707

Deuteranomaly
33, 6.011, 44.700

Tritanomaly
33, 6.050, 2.234

Monochromacy



Original Color
33, 5.592, 46.631

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 1.860, 39.213

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 33, 5.592, 46.631 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(86, 75, 71)` looks like.

```
.text, #text, p{  
  color:rgb(86, 75, 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(86, 75, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 75, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.592, 46.631 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(86, 75, 71) }
```

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

```
.border{ border-color:rgb(86, 75, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 75, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 75, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 75, 71);  
box-shadow:4px 4px 4px 4px rgb(86, 75, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.592, 46.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 75, 71) }
```

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

```
.background{ background-color: rgb(86, 75,  
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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