

Converting Colors

CIELCh(33, 5.933, 70.192)

Have a look what the booklet for
CIELCh(33, 5.933, 70.192) contains.

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Color

CIELCh(33, 5.717, 69.774)

Conversions

Conversions Part 1

Format	Color
Hex	544C45
RGB	84, 76, 69
RGB Percent	33%, 30%, 27%
CMY	0.6695, 0.7009, 0.7284
CMYK	0.00, 0.09, 0.18, 0.67
HSL	28°, 10%, 30%
HSV	28°, 18%, 33%
XYZ	7.3670, 7.5373, 6.7406
YIQ	77.5940, 7.0150, -0.4810

Conversions

Conversions Part 2

Format	Color
R_YB	84, 82, 69
Decimal	5524549
CIE Lab	33.00, 1.98, 5.36
CIE LCh	33, 5.717, 69.774
Yxy	7.5373, 0.3404, 0.3482
Android (android.graphics.Color)	4283714629 (0xFF544C45)
YUV	77.5940, -4.2368, 5.6181
Hunter-Lab	27.4541, -0.1464, 4.6608

Details

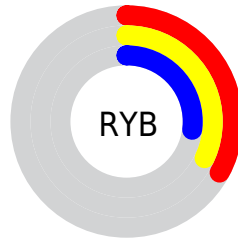
The CIELCh color **33, 5.717, 69.774** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 5.434, 253.948**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 5.915, 70.677**, and **13, 5.739, 68.068** is the 20% darker color. If you saturate the color by 10%, you get **31, 9.147, 68.717**, and if you desaturate by 10%, it is **35, 2.447, 70.815**.

Distribution



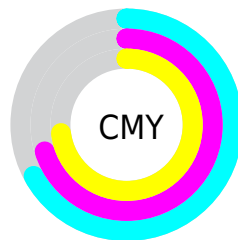
- Red (33%)
- Green (30%)
- Blue (27%)



- Red (33%)
- Yellow (32%)
- Blue (27%)



- Cyan (0%)
- Magenta (9%)
- Yellow (18%)
- Black (67%)



- Cyan (67%)
- Magenta (70%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 5.717, 69.774 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, 5.717, 69.774 by changing the saturation by 10% instead.

■ 33, 5.717, 69.774 ■ 33, 5.717, 69.774

■ 100, 5.717, 69.774 ■ 23, 5.717, 69.774

■ 53, 5.717, 69.774 ■ 13, 5.717, 69.774

■ 63, 5.717, 69.774 ■ 3, 5.717, 69.774

■ 73, 5.717, 69.774 ■ 0, 5.717, 69.774

■ 83, 5.717, 69.774

■ 93, 5.717, 69.774

■ 33, 5.717, 69.774 ■ 33, 5.717, 69.774

■ 31, 9.147, 68.717 ■ 35, 2.447, 70.815

■ 30, 12.744, 67.640 ■ 36, 0.676, 252.279

■ 28, 16.512, 66.564

■ 38, 3.666, 253.069

■ 27, 20.435, 65.488

■ 39, 6.535, 254.064

■ 26, 24.473, 64.394

■ 41, 9.298, 255.046

■ 24, 28.531, 63.235

■ 43, 11.965,
256.000

■ 23, 32.252, 61.743

■ 44, 14.548,
256.922

■ 22, 35.338, 59.893

■ 21, 36.014, 59.544

■ 46, 17.055,
257.810

■ 48, 19.494,
258.662

Harmonies

Complementary

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



33, 5.717, 69.774



32, 5.434, 253.948

Rectangle

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



33, 5.717, 69.774



33, 5.717, 119.774



33, 5.717, 249.774



33, 5.717, 299.774

Sweetspot

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



33, 5.717, 69.787



45, 1.934, 71.053



31, 8.322, 343.233



23, 1.331, 71.017



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, 5.717, 69.787



42, 8.457, 69.371



35, 8.979, 107.203



17, 1.800, 70.718



28, 44.689, 59.648



60, 81.527, 57.313

Inverse Universe

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



32, 5.434, 253.948



41, 7.938, 254.508



30, 9.296, 290.640



17, 1.760, 252.809



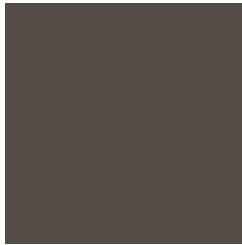
24, 34.042, 278.003



53, 64.317, 281.379

Previews

White Background



This preview shows how the CIELCh color 33, 5.717, 69.774 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, 5.717, 69.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

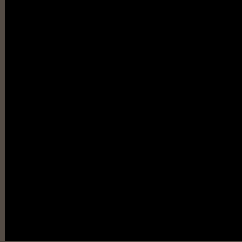
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

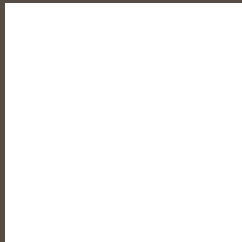
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 5.717, 69.774

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.717, 69.774.

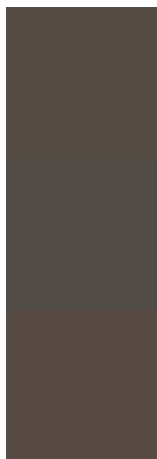


This preview shows how white text looks on a background with the CIELCh color 33, 5.717, 69.774.

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

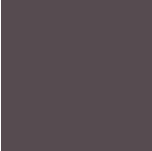
33, 5.717, 69.774

Protanopia

33, 4.745, 87.042

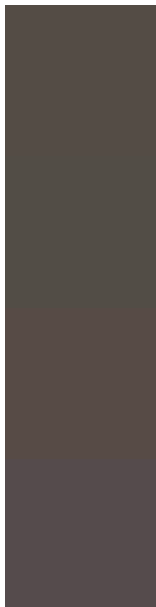
Deuteranopia

33, 6.736, 47.788



Tritanopia
33, 5.745, 347.168

Trichromacy



Original Color
33, 5.717, 69.774

Protanomaly
33, 4.936, 82.146

Deuteranomaly
33, 6.325, 49.708

Tritanomaly
33, 4.473, 11.997

Monochromacy



Original Color
33, 5.717, 69.774

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 1.814, 63.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 5.717, 69.774 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(84, 76, 69)` looks like.

```
.text, #text, p{  
    color:rgb(84, 76, 69)  
}
```

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(84, 76, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 76, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.717, 69.774 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(84, 76, 69) }
```

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

```
.border{ border-color:rgb(84, 76, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 76, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 76, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 76, 69);  
box-shadow:4px 4px 4px 4px rgb(84, 76, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.717, 69.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 76, 69) }
```

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

```
.background{ background-color: rgb(84, 76,  
69) }
```

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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