

Converting Colors

CIELCh(33, 5.477, 78.743)

Have a look what the booklet for
CIELCh(33, 5.477, 78.743) contains.

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Color

CIELCh(33, 5.712, 80.750)

Conversions

Conversions Part 1

Format	Color
Hex	534D45
RGB	83, 77, 69
RGB Percent	33%, 30%, 27%
CMY	0.6753, 0.6988, 0.7302
CMYK	0.00, 0.07, 0.17, 0.68
HSL	34°, 9%, 30%
HSV	34°, 17%, 32%
XYZ	7.2578, 7.5373, 6.6710
YIQ	77.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

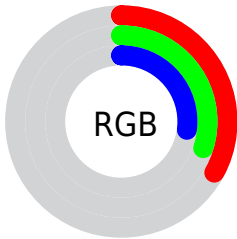
Format	Color
RYB	80, 83, 69
Decimal	5459269
CIELab	33.00, 0.92, 5.64
CIELCh	33, 5.712, 80.750
Yxy	7.5373, 0.3381, 0.3511
Android (android.graphics.Color)	4283649349 (0xFF534D45)
YUV	77.8820, -4.3788, 4.4885
Hunter-Lab	27.4541, -0.8562, 4.8111

Details

The CIELCh color **33, 5.712, 80.750** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 5.588, 264.945**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 5.924, 80.364**, and **13, 5.687, 80.675** is the 20% darker color. If you saturate the color by 10%, you get **32, 9.241, 79.571**, and if you desaturate by 10%, it is **34, 2.293, 81.892**.

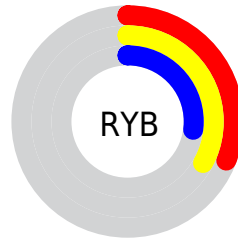
Distribution



 Red (33%)

 Green (30%)

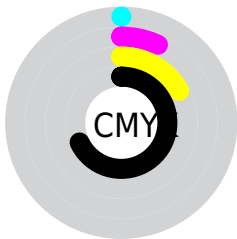
 Blue (27%)



 Red (31%)

 Yellow (33%)

 Blue (27%)

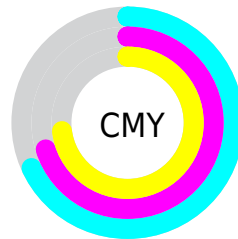


 Cyan (0%)

 Magenta (7%)

 Yellow (17%)

 Black (68%)



 Cyan (68%)

 Magenta (70%)

 Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 5.712, 80.750 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, 5.712, 80.750 by changing the saturation by 10% instead.

■ 33, 5.712, 80.750 ■ 33, 5.712, 80.750

■ 100, 5.712, 80.750 ■ 23, 5.712, 80.750

■ 53, 5.712, 80.750 ■ 13, 5.712, 80.750

■ 63, 5.712, 80.750 ■ 3, 5.712, 80.750

■ 73, 5.712, 80.750 ■ 0, 5.712, 80.750

■ 83, 5.712, 80.750

■ 93, 5.712, 80.750

■ 33, 5.712, 80.750 ■ 33, 5.712, 80.750

■ 32, 9.241, 79.571 ■ 34, 2.293, 81.892

■ 30, 12.879, 78.347 ■ 36, 1.021, 263.266

■ 29, 16.617, 77.095

■ 37, 4.240, 264.246

■ 28, 20.432, 75.811

■ 38, 7.369, 265.293

■ 27, 24.266, 74.478

■ 40, 10.418,
266.308

■ 26, 28.012, 73.057

■ 41, 13.394,
267.285

■ 25, 31.447, 71.448

■ 24, 34.310, 69.639

■ 42, 16.305,
268.219

■ 23, 35.197, 69.139

■ 44, 19.156,
269.112

■ 45, 21.953,
269.963

Harmonies

Complementary

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



33, 5.712, 80.750



32, 5.588, 264.945

Rectangle

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



33, 5.712, 80.750



33, 5.712, 130.750



33, 5.712, 260.750



33, 5.712, 310.750

Sweetspot

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



33, 5.712, 80.762



44, 2.049, 82.067



31, 7.294, 348.788



22, 1.383, 82.029



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 5.712, 80.762



42, 8.413, 80.316



35, 8.691, 111.474



16, 1.841, 81.698



30, 42.911, 68.735



65, 77.652, 66.232

Inverse Universe

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



32, 5.588, 264.945



40, 8.181, 265.501



30, 9.001, 294.281



15, 1.825, 263.857



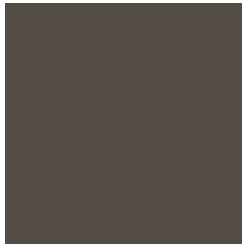
20, 40.751, 287.942



45, 78.463, 290.960

Previews

White Background



This preview shows how the CIELCh color 33, 5.712, 80.750 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, 5.712, 80.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

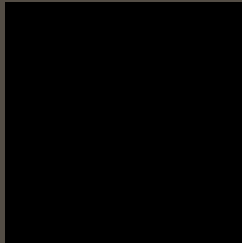
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

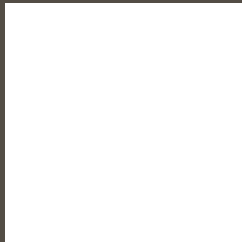
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 5.712, 80.750

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.712, 80.750.

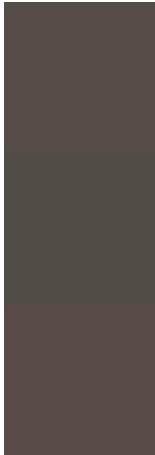


This preview shows how white text looks on a background with the CIELCh color 33, 5.712, 80.750.

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

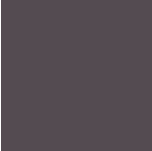
33, 5.712, 80.750

Protanopia

33, 5.335, 89.422

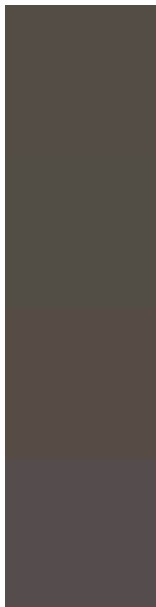
Deuteranopia

33, 7.078, 52.106



Tritanopia
33, 5.446, 336.322

Trichromacy



Original Color
33, 5.712, 80.750

Protanomaly
33, 5.507, 84.942

Deuteranomaly
33, 6.355, 63.382

Tritanomaly
33, 3.579, 9.803

Monochromacy



Original Color
33, 5.712, 80.750

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 2.069, 84.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 5.712, 80.750 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(83, 77, 69)` looks like.

```
.text, #text, p{  
    color:rgb(83, 77, 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(83, 77, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 77, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.712, 80.750 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(83, 77, 69) }
```

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

```
.border{ border-color:rgb(83, 77, 69) }
```

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

Here you see how a box with a 4 pixel rgb(83, 77, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 77, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 77, 69);  
box-shadow:4px 4px 4px 4px rgb(83, 77, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.712, 80.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 77, 69) }
```

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

```
.background{ background-color: rgb(83, 77,  
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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