

Converting Colors

CIELCh(33, 4.090, 62.598)

Have a look what the booklet for
CIELCh(33, 4.090, 62.598) contains.

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Color

CIELCh(33, 4.021, 58.307)

Conversions

Conversions Part 1

Format	Color
Hex	534C48
RGB	83, 76, 72
RGB Percent	33%, 30%, 28%
CMY	0.6733, 0.7007, 0.7164
CMYK	0.00, 0.08, 0.13, 0.67
HSL	22°, 7%, 31%
HSV	22°, 13%, 33%
XYZ	7.3811, 7.5373, 7.2496
YIQ	77.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

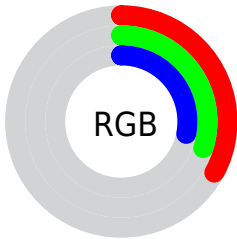
Format	Color
RYB	83, 78, 72
Decimal	5459016
CIELab	33.00, 2.11, 3.42
CIELCh	33, 4.021, 58.307
Yxy	7.5373, 0.3330, 0.3400
Android (android.graphics.Color)	4283649096 (0xFF534C48)
YUV	77.6370, -2.7790, 4.7034
Hunter-Lab	27.4541, -0.0547, 3.5617

Details


The CIELCh color **33, 4.021, 58.307** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **33, 3.803, 240.771**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 4.048, 64.892**, and **13, 3.809, 54.238** is the 20% darker color. If you saturate the color by 10%, you get **31, 7.289, 57.561**, and if you desaturate by 10%, it is **35, 0.947, 58.941**.

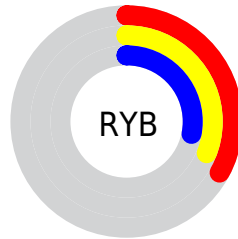
Distribution



 Red (33%)

 Green (30%)

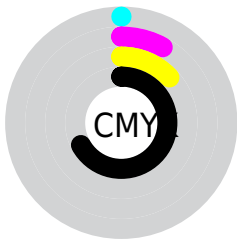
 Blue (28%)



 Red (33%)

 Yellow (31%)

 Blue (28%)

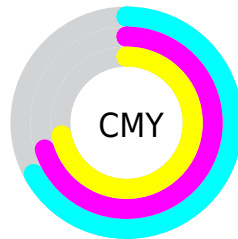



 Cyan (0%)

 Magenta (8%)

 Yellow (13%)

 Black (67%)



 Cyan (67%)

 Magenta (70%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 4.021, 58.307 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, 4.021, 58.307 by changing the saturation by 10% instead.

■ 33, 4.021, 58.307 ■ 33, 4.021, 58.307

■ 100, 4.021, 58.307 ■ 23, 4.021, 58.307

■ 53, 4.021, 58.307 ■ 13, 4.021, 58.307

■ 63, 4.021, 58.307 ■ 3, 4.021, 58.307

■ 73, 4.021, 58.307 ■ 0, 4.021, 58.307

■ 83, 4.021, 58.307

■ 93, 4.021, 58.307

■ 33, 4.021, 58.307 ■ 33, 4.021, 58.307

■ 31, 7.289, 57.561 ■ 35, 0.947, 58.941

■ 29, 10.768, 56.818 ■ 37, 1.952, 240.162

■ 28, 14.470, 56.118

■ 39, 4.692, 240.922

■ 26, 18.397, 55.472

■ 40, 7.292, 241.734

■ 24, 22.534, 54.879

■ 42, 9.768, 242.546

■ 23, 26.831, 54.317

■ 44, 12.133,
243.346

■ 21, 31.087, 53.606

■ 46, 14.401,
244.128

■ 20, 34.477, 51.911

■ 19, 36.665, 50.944

■ 48, 16.582,
244.890

■ 50, 18.687,
245.629

Harmonies

Complementary

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



33, 4.021, 58.307



33, 3.803, 240.771

Rectangle

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



33, 4.021, 58.307



33, 4.021, 108.307



33, 4.021, 238.307



33, 4.021, 288.307

Sweetspot

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



33, 4.021, 58.325



44, 1.455, 58.924



32, 6.604, 337.225



22, 1.024, 58.905



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, 4.021, 58.325



42, 6.053, 58.072



35, 5.863, 101.924



15, 1.648, 58.658



25, 45.388, 51.774



56, 85.452, 50.313

Inverse Universe

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



33, 3.803, 240.771



42, 5.636, 241.121



32, 5.970, 284.675



16, 1.592, 240.345



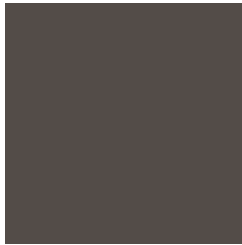
27, 27.487, 264.042



59, 51.596, 267.849

Previews

White Background



This preview shows how the CIELCh color 33, 4.021, 58.307 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, 4.021, 58.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

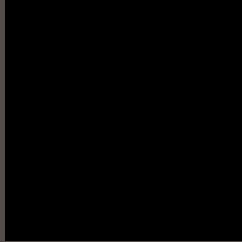
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 4.021, 58.307

Background



This preview shows how black text looks on a background with the CIELCh color 33, 4.021, 58.307.



This preview shows how white text looks on a background with the CIELCh color 33, 4.021, 58.307.

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

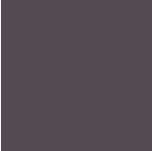
33, 4.021, 58.307

Protanopia

33, 2.836, 81.682

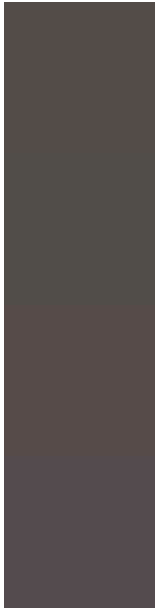
Deuteranopia

33, 5.549, 33.179



Tritanopia
33, 5.446, 336.322

Trichromacy



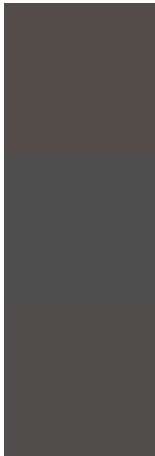
Original Color
33, 4.021, 58.307

Protanomaly
33, 3.070, 74.267

Deuteranomaly
33, 5.102, 34.281

Tritanomaly
33, 4.381, 354.559

Monochromacy



Original Color
33, 4.021, 58.307

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 1.451, 45.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 4.021, 58.307 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, 76, 72)` looks like.

```
.text, #text, p{  
    color:rgb(83, 76, 72)  
}
```

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, 76, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 76, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 4.021, 58.307 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, 76, 72) }
```

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

```
.border{ border-color:rgb(83, 76, 72) }
```

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

Here you see how a box with a 4 pixel rgb(83, 76, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 76, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 76, 72);  
box-shadow:4px 4px 4px 4px rgb(83, 76, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 4.021, 58.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 76, 72) }
```

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

```
.background{ background-color: rgb(83, 76,  
72) }
```

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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