

Converting Colors

CIELCh(33, 20.596, 101.029)

Have a look what the booklet for
CIELCh(33, 20.596, 101.029)
contains.

CIELCh(33, 21.033, 101.069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 21.033, 101.069)

Conversions

Conversions Part 1

Format	Color
Hex	534F2D
RGB	83, 79, 45
RGB Percent	33%, 31%, 18%
CMY	0.6762, 0.6918, 0.8251
CMYK	0.00, 0.05, 0.46, 0.68
HSL	54°, 30%, 25%
HSV	54°, 46%, 32%
XYZ	6.7608, 7.5373, 3.5414
YIQ	76.3200, 13.2980, -9.7260

Conversions

Conversions Part 2

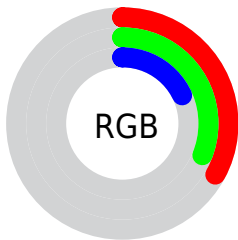
Format	Color
RYB	49, 83, 45
Decimal	5459757
CIELab	33.00, -4.04, 20.64
CIELCh	33, 21.033, 101.069
Yxy	7.5373, 0.3790, 0.4225
Android (android.graphics.Color)	4283649837 (0xFF534F2D)
YUV	76.3200, -15.4408, 5.8584
Hunter-Lab	27.4541, -4.0872, 11.5699

Details

The CIELCh color **33, 21.033, 101.069** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 22.907, 291.691**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 21.244, 101.566**, and **13, 19.921, 100.957** is the 20% darker color. If you saturate the color by 10%, you get **33, 25.365, 100.097**, and if you desaturate by 10%, it is **33, 16.549, 102.061**.

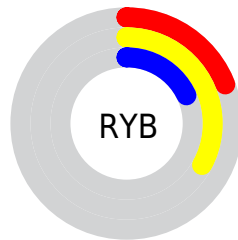
Distribution



Red (33%)

Green (31%)

Blue (18%)



Red (19%)

Yellow (33%)

Blue (18%)

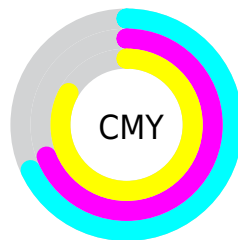


Cyan (0%)

Magenta (5%)

Yellow (46%)

Black (68%)



Cyan (68%)


Magenta (69%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 21.033, 101.069 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, 21.033, 101.069 by changing the saturation by 10% instead.


 33, 21.033,
101.069


 33, 21.033,
101.069

 100, 21.033,
101.069


 23, 21.033,
101.069

 53, 21.033,
101.069


 13, 21.033,
101.069


 63, 21.033,
101.069

 3, 21.033, 101.069

 73, 21.033,
101.069

 0, 21.033, 101.069

 83, 21.033,
101.069

 93, 21.033,
101.069

■ 33, 21.033,
101.069

■ 33, 21.033,
101.069

■ 33, 25.365,
100.097

■ 33, 16.549,
102.061

■ 32, 29.434, 99.148

■ 34, 11.980,
103.050

■ 32, 33.083, 98.239

■ 34, 7.372, 104.029

■ 32, 36.098, 97.382

■ 35, 2.753, 104.980

■ 31, 38.708, 96.575

■ 35, 1.860, 285.973

■ 31, 39.893, 96.258

■ 36, 6.455, 286.863

■ 36, 11.026,
287.738

■ 37, 15.567,
288.580

■ 38, 20.077,

Harmonies

Complementary

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



33, 21.033, 101.069



21, 22.907, 291.691

Rectangle

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



33, 21.033, 101.069



33, 21.033, 151.069



33, 21.033, 281.069



33, 21.033, 331.069

Sweetspot

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



33, 21.034, 101.072



44, 8.009, 104.173



23, 18.680, 14.888



22, 5.465, 104.049



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, 21.034, 101.072



42, 30.863, 100.008



33, 24.217, 122.742



16, 2.552, 104.725



39, 46.912, 96.031



83, 83.757, 95.509

Inverse Universe

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



21, 22.907, 291.691



25, 34.648, 293.808



22, 26.181, 307.475



15, 2.591, 286.450



11, 63.752, 303.860



31, 119.375, 305.098

Previews

White Background



This preview shows how the CIELCh color 33, 21.033, 101.069 looks on a white background.

Color Contrast Check

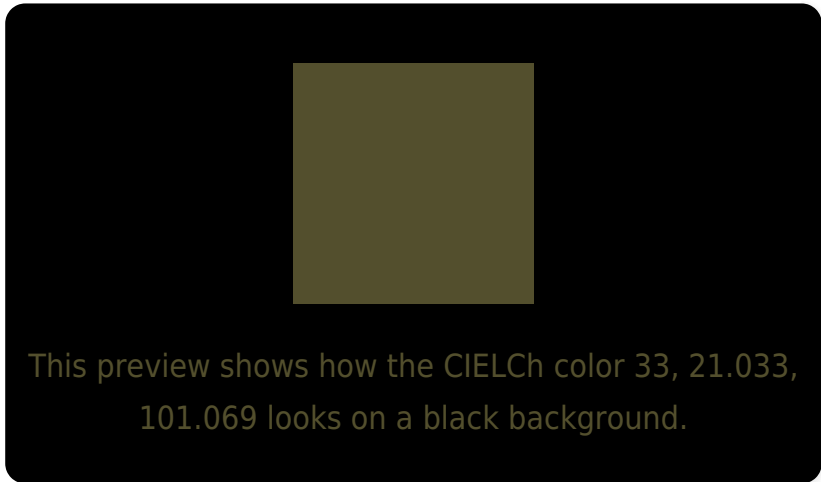
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

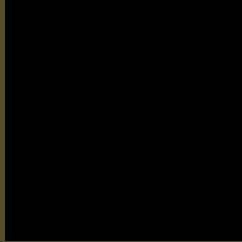
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

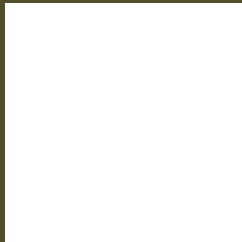
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 21.033, 101.069

Background



This preview shows how black text looks on a background with the CIELCh color 33, 21.033, 101.069.

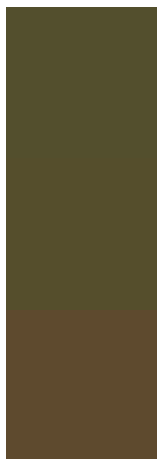


This preview shows how white text looks on a background with the CIELCh color 33, 21.033, 101.069.

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, 21.033, 101.069

Protanopia

33, 21.280, 97.022

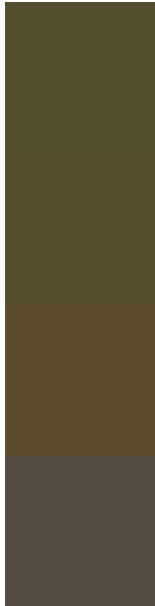
Deuteranopia

33, 20.363, 77.545



Tritanopia
33, 6.463, 344.703

Trichromacy



Original Color
33, 21.033, 101.069

Protanomaly
33, 21.197, 98.349

Deuteranomaly
33, 20.583, 86.851

Tritanomaly
33, 7.022, 73.013

Monochromacy



Original Color
33, 21.033, 101.069

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 7.547, 105.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 21.033, 101.069 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, 79, 45)` looks like.

```
.text, #text, p{  
    color:rgb(83, 79, 45)  
}
```

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, 79, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 79, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 21.033, 101.069 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, 79, 45) }
```

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

```
.border{ border-color:rgb(83, 79, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 79, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 79, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 79, 45);  
box-shadow:4px 4px 4px 4px rgb(83, 79, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 21.033, 101.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 79, 45) }
```

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

```
.background{ background-color: rgb(83, 79,  
45) }
```

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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