

Converting Colors

CIELCh(33, 23.371, 103.790)

Have a look what the booklet for
CIELCh(33, 23.371, 103.790)
contains.

CIELCh(33, 23.289, 103.576)	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, 23.289, 103.576)

Conversions

Conversions Part 1

Format	Color
Hex	514F29
RGB	81, 79, 41
RGB Percent	32%, 31%, 16%
CMY	0.6816, 0.6895, 0.8385
CMYK	0.00, 0.02, 0.49, 0.68
HSL	57°, 33%, 24%
HSV	57°, 49%, 32%
XYZ	6.6219, 7.5373, 3.2194
YIQ	75.2660, 13.3900, -11.3940

Conversions

Conversions Part 2

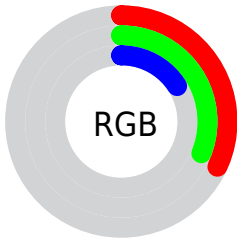
Format	Color
R_{YB}	43, 81, 41
Decimal	5328681
CIE _{Lab}	33.00, -5.47, 22.64
CIE _{LCh}	33, 23.289, 103.576
Yxy	7.5373, 0.3810, 0.4337
Android (android.graphics.Color)	4283518761 (0xFF514F29)
YUV	75.2660, -16.8931, 5.0287
Hunter-Lab	27.4541, -4.9904, 12.2653

Details

The CIELCh color **33, 23.289, 103.576** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **19, 25.959, 294.573**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 23.403, 103.962**, and **13, 19.843, 104.429** is the 20% darker color. If you saturate the color by 10%, you get **33, 27.634, 102.709**, and if you desaturate by 10%, it is **33, 18.728, 104.484**.

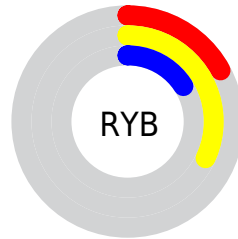
Distribution



Red (32%)

Green (31%)

Blue (16%)



Red (17%)

Yellow (32%)

Blue (16%)

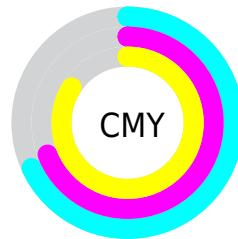


Cyan (0%)

Magenta (2%)

Yellow (49%)

Black (68%)



Cyan (68%)


Magenta (69%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 23.289, 103.576 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, 23.289, 103.576 by changing the saturation by 10% instead.


 33, 23.289,
103.576


 33, 23.289,
103.576

 100, 23.289,
103.576


 23, 23.289,
103.576

 53, 23.289,
103.576


 13, 23.289,
103.576


 63, 23.289,
103.576

 3, 23.289, 103.576

 73, 23.289,
103.576

 0, 23.289, 103.576

 83, 23.289,
103.576

 93, 23.289,
103.576

■ 33, 23.289,
103.576

■ 33, 23.289,
103.576

■ 33, 27.634,
102.709

■ 33, 18.728,
104.484

■ 33, 31.636,
101.893

■ 34, 14.037,
105.407

■ 32, 35.119,
101.156

■ 34, 9.271, 106.333

■ 32, 37.890,
100.517

■ 34, 4.468, 107.249

■ 32, 40.611, 99.907

■ 35, 0.348, 288.291

■ 32, 40.821, 99.862

■ 35, 5.161, 289.056

■ 35, 9.961, 289.907

■ 36, 14.740,
290.729

■ 36, 19.492,
291.518

Harmonies

Complementary

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



33, 23.289, 103.576



19, 25.959, 294.573

Rectangle

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



33, 23.289, 103.576



33, 23.289, 153.576



33, 23.289, 283.576



33, 23.289, 333.576

Sweetspot

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



33, 23.290, 103.579



44, 8.891, 106.681



22, 20.002, 19.219



22, 6.114, 106.569



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, 23.290, 103.579



42, 33.791, 102.564



32, 25.827, 124.529



16, 2.699, 107.300



41, 48.600, 99.756



86, 86.953, 99.530

Inverse Universe

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



19, 25.959, 294.573



22, 39.133, 296.840



20, 27.880, 309.243



15, 2.747, 288.945



10, 66.616, 305.119



30, 122.555, 305.832

Previews

White Background



This preview shows how the CIELCh color 33, 23.289, 103.576 looks on a white background.

Color Contrast Check

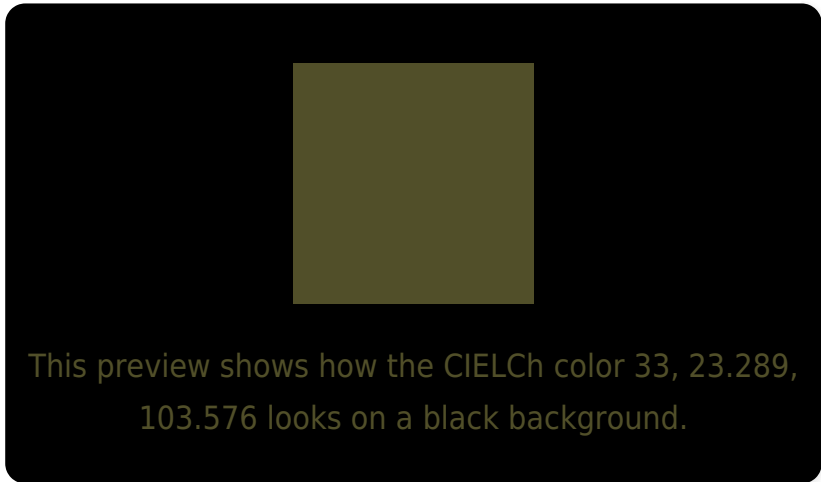
Large Text (above 18pt) WCAG AA ✓ Pass

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

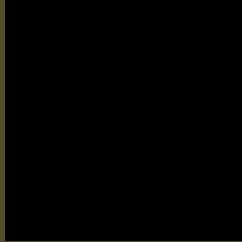
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 23.289, 103.576

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.289, 103.576.



This preview shows how white text looks on a background with the CIELCh color 33, 23.289, 103.576.

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

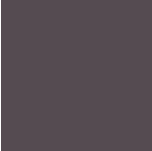
33, 23.289, 103.576

Protanopia

33, 23.111, 96.126

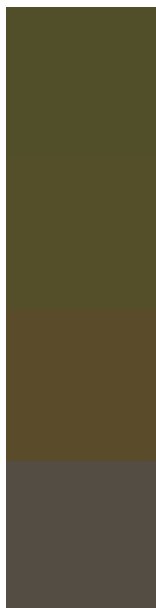
Deuteranopia

33, 22.808, 78.775



Tritanopia
33, 5.766, 339.415

Trichromacy



Original Color
33, 23.289, 103.576

Protanomaly
33, 22.941, 98.591

Deuteranomaly
33, 22.293, 87.955

Tritanomaly
33, 7.053, 81.939

Monochromacy



Original Color
33, 23.289, 103.576

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 8.787, 108.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.289, 103.576 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(81, 79, 41)` looks like.

```
.text, #text, p{  
    color:rgb(81, 79, 41)  
}
```

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(81, 79, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 79, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.289, 103.576 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(81, 79, 41) }
```

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

```
.border{ border-color:rgb(81, 79, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 79, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 79, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 79, 41);  
box-shadow:4px 4px 4px 4px rgb(81, 79, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.289, 103.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 79, 41) }
```

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

```
.background{ background-color: rgb(81, 79,  
41) }
```

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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