

Converting Colors

CIELCh(23, 3.467, 35.845)

Have a look what the booklet for
CIELCh(23, 3.467, 35.845) contains.

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Color

CIELCh(23, 3.375, 31.300)

Conversions

Conversions Part 1

Format	Color
Hex	3C3534
RGB	60, 53, 52
RGB Percent	24%, 21%, 20%
CMY	0.7633, 0.7908, 0.7947
CMYK	0.00, 0.12, 0.13, 0.76
HSL	8°, 7%, 22%
HSV	8°, 13%, 24%
XYZ	3.8012, 3.8003, 3.8226
YIQ	54.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

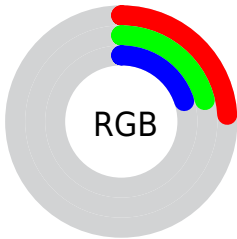
Format	Color
RYB	60, 53, 52
Decimal	3945780
CIELab	23.00, 2.88, 1.75
CIELCh	23, 3.375, 31.300
Yxy	3.8003, 0.3327, 0.3327
Android (android.graphics.Color)	4282135860 (0xFF3C3534)
YUV	54.9790, -1.4686, 4.4034
Hunter-Lab	19.4944, 0.6903, 2.0202

Details

The CIELCh color **23, 3.375, 31.300** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 3.131, 211.207**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 3.429, 29.798**, and **3, 3.394, 33.141** is the 20% darker color. If you saturate the color by 10%, you get **21, 6.135, 31.606**, and if you desaturate by 10%, it is **25, 0.802, 30.933**.

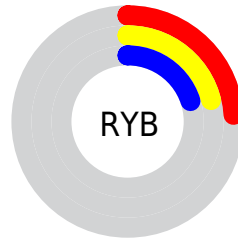
Distribution



Red (24%)

Green (21%)

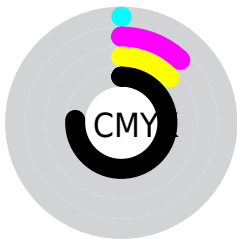
Blue (20%)



Red (24%)

Yellow (21%)

Blue (20%)

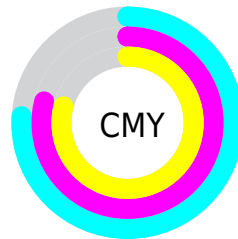


Cyan (0%)

Magenta (12%)

Yellow (13%)

Black (76%)



Cyan (76%)

Magenta (79%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 3.375, 31.300 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 23, 3.375, 31.300 by changing the saturation by 10% instead.

■ 23, 3.375, 31.300

■ 23, 3.375, 31.300

■ 100, 3.375, 31.300

■ 13, 3.375, 31.300

■ 43, 3.375, 31.300

■ 3, 3.375, 31.300

■ 53, 3.375, 31.300

■ 0, 3.375, 31.300

■ 63, 3.375, 31.300

■ 73, 3.375, 31.300

■ 83, 3.375, 31.300

■ 93, 3.375, 31.300

■ 23, 3.375, 31.300

■ 23, 3.375, 31.300

■ 21, 6.135, 31.606

■ 25, 0.802, 30.933

19, 9.093, 32.007	27, 1.595, 211.303
18, 12.254, 32.564	29, 3.834, 211.201
16, 15.612, 33.317	31, 5.930, 211.212
14, 19.145, 34.306	32, 7.896, 211.272
13, 22.536, 34.554	34, 9.748, 211.363
12, 25.390, 33.463	36, 11.498, 211.477
11, 27.864, 32.499	38, 13.156, 211.607
10, 29.431, 32.276	40, 14.734, 211.749

Harmonies

Complementary

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



23, 3.375, 31.300



24, 3.131, 211.207

Rectangle

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



23, 3.375, 31.300



23, 3.375, 81.300



23, 3.375, 211.300



23, 3.375, 261.300

Sweetspot

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



23, 3.375, 31.316



33, 1.233, 31.010



23, 5.979, 328.433



16, 0.886, 31.035



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 3.375, 31.316



30, 5.159, 31.408



24, 3.559, 85.432



11, 1.403, 31.187



19, 45.346, 38.714



47, 92.028, 41.431

Inverse Universe

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



24, 3.131, 211.207



32, 4.687, 211.198



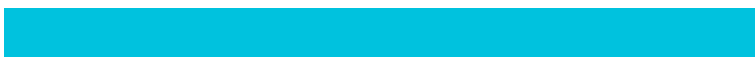
23, 3.530, 268.502



11, 1.340, 211.257



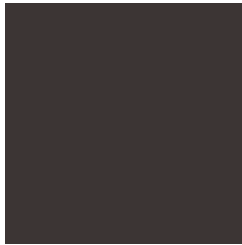
32, 21.320, 217.715



72, 39.526, 219.683

Previews

White Background



This preview shows how the CIELCh color 23, 3.375, 31.300 looks on a white background.

Color Contrast Check

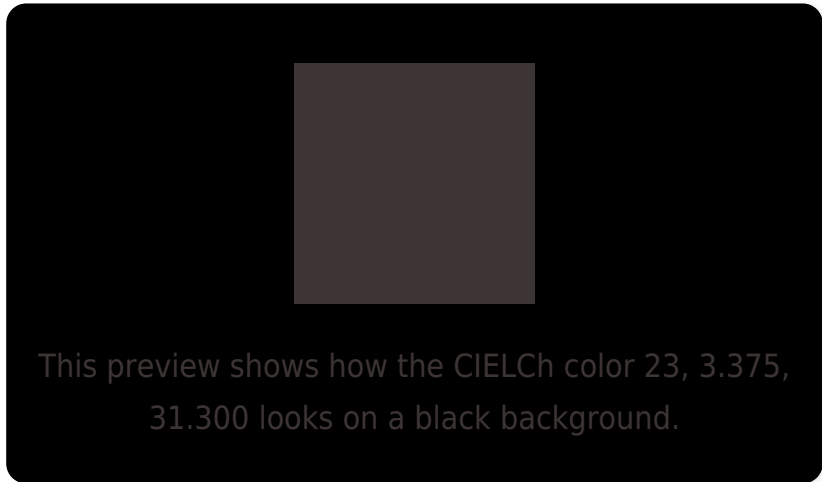
Large Text (above 18pt) WCAG AA ✓ Pass

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

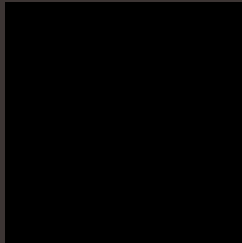
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 3.375, 31.300

Background



This preview shows how black text looks on a background with the CIELCh color 23, 3.375, 31.300.

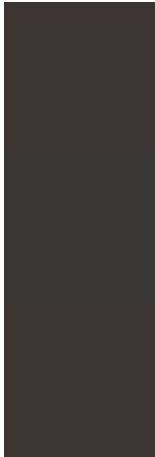


This preview shows how white text looks on a background with the CIELCh color 23, 3.375, 31.300.

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


23, 3.375, 31.300

Protanopia

23, 1.402, 90.494

Deuteranopia

23, 3.849, 29.976



Tritanopia
23, 4.556, 344.571

Trichromacy



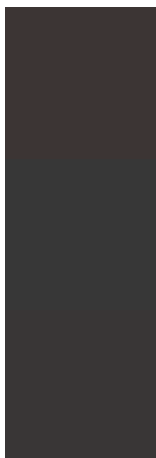
Original Color
23, 3.375, 31.300

Protanomaly
23, 1.981, 39.219

Deuteranomaly
23, 3.849, 29.976

Tritanomaly
23, 3.960, 0.563

Monochromacy



Original Color
23, 3.375, 31.300

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 1.391, 19.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 3.375, 31.300 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(60, 53, 52)` looks like.

```
.text, #text, p{  
    color:rgb(60, 53, 52)  
}
```

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(60, 53, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 53, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 3.375, 31.300 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(60, 53, 52) }
```

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

```
.border{ border-color:rgb(60, 53, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 53, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 53, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 53, 52);  
box-shadow:4px 4px 4px 4px rgb(60, 53, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 3.375, 31.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 53, 52) }
```

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

```
.background{ background-color: rgb(60, 53,  
52) }
```

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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