

Converting Colors

CIElCh(23, 2.891, 24.145)

Have a look what the booklet for
CIELCh(23, 2.891, 24.145) contains.

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Color

CIELCh(23, 2.895, 33.075)

Conversions

Conversions Part 1

Format	Color
Hex	3C3635
RGB	60, 54, 53
RGB Percent	24%, 21%, 21%
CMY	0.7664, 0.7899, 0.7938
CMYK	0.00, 0.10, 0.12, 0.77
HSL	9°, 6%, 22%
HSV	9°, 12%, 23%
XYZ	3.7707, 3.8003, 3.8530
YIQ	55.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

Format	Color
RYB	60, 54, 53
Decimal	3946037
CIELab	23.00, 2.43, 1.58
CIELCh	23, 2.895, 33.075
Yxy	3.8003, 0.3301, 0.3327
Android (android.graphics.Color)	4282136117 (0xFF3C3635)
YUV	55.6800, -1.3212, 3.7886
Hunter-Lab	19.4944, 0.4114, 1.9275

Details

The CIELCh color **23, 2.895, 33.075** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 2.712, 213.199**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 2.787, 44.994**, and **3, 2.858, 35.778** is the 20% darker color. If you saturate the color by 10%, you get **21, 5.558, 33.298**, and if you desaturate by 10%, it is **25, 0.412, 32.530**.

Distribution



Red (24%)

Green (21%)

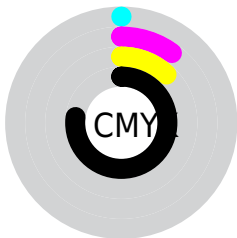
Blue (21%)



Red (24%)

Yellow (21%)

Blue (21%)

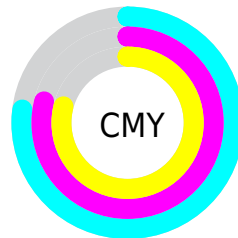


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (77%)



Cyan (77%)

Magenta (79%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 2.895, 33.075 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, 2.895, 33.075 by changing the saturation by 10% instead.

■ 23, 2.895, 33.075 ■ 23, 2.895, 33.075

■ 100, 2.895, 33.075 ■ 13, 2.895, 33.075

■ 43, 2.895, 33.075 ■ 3, 2.895, 33.075

■ 53, 2.895, 33.075 ■ 0, 2.895, 33.075

■ 63, 2.895, 33.075

■ 73, 2.895, 33.075

■ 83, 2.895, 33.075

■ 93, 2.895, 33.075

■ 23, 2.895, 33.075 ■ 23, 2.895, 33.075

■ 21, 5.558, 33.298 ■ 25, 0.412, 32.530

19, 8.415, 33.594	27, 1.903, 213.224
18, 11.470, 34.031	28, 4.066, 213.212
16, 14.724, 34.644	30, 6.093, 213.289
15, 18.160, 35.468	32, 7.997, 213.408
13, 21.531, 35.750	34, 9.791, 213.555
12, 24.395, 34.612	36, 11.488, 213.721
11, 26.871, 33.335	38, 13.098, 213.901
10, 28.769, 32.968	40, 14.632, 214.090

Harmonies

Complementary

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



23, 2.895, 33.075



24, 2.712, 213.199

Rectangle

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



23, 2.895, 33.075



23, 2.895, 83.075



23, 2.895, 213.075



23, 2.895, 263.075

Sweetspot

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



23, 2.895, 33.093



32, 1.183, 32.877



23, 5.164, 328.880



15, 0.827, 32.897



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 2.895, 33.093



29, 4.300, 33.147



24, 3.155, 87.060



11, 1.384, 33.028



19, 45.080, 39.336



48, 91.545, 41.781

Inverse Universe

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



24, 2.712, 213.199



31, 3.959, 213.205



23, 3.140, 269.750



11, 1.322, 213.215



31, 21.152, 221.226



71, 39.277, 223.526

Previews

White Background



This preview shows how the CIELCh color 23, 2.895, 33.075 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 CIELCh color 23, 2.895, 33.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

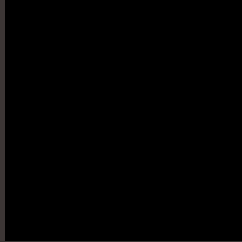
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 2.895, 33.075

Background



This preview shows how black text looks on a background with the CIELCh color 23, 2.895, 33.075.

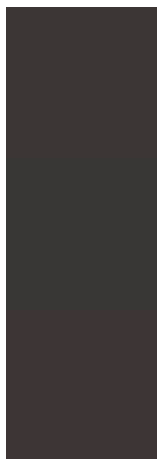


This preview shows how white text looks on a background with the CIELCh color 23, 2.895, 33.075.

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, 2.895, 33.075

Protanopia

23, 1.402, 90.494

Deuteranopia

23, 3.769, 20.084



Tritanopia
23, 4.191, 340.742

Trichromacy



Original Color

23, 2.895, 33.075

Protanomaly

23, 1.544, 45.016

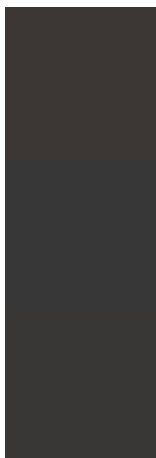
Deuteranomaly

23, 3.290, 19.981

Tritanomaly

23, 3.520, 357.865

Monochromacy



Original Color

23, 2.895, 33.075

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, 2.895, 33.075 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, 54, 53)` looks like.

```
.text, #text, p{  
    color:rgb(60, 54, 53)  
}
```

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, 54, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 54, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 2.895, 33.075 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, 54, 53) }
```

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

```
.border{ border-color:rgb(60, 54, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 54, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 54, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 54, 53);  
box-shadow:4px 4px 4px 4px rgb(60, 54, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 2.895, 33.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 54, 53) }
```

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

```
.background{ background-color: rgb(60, 54,  
53) }
```

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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