

Converting Colors

CIELCh(23, 2.244, 51.854)

Have a look what the booklet for
CIELCh(23, 2.244, 51.854) contains.

CIELCh(23, 2.298, 54.911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(23, 2.298, 54.911)

Conversions

Conversions Part 1

Format	Color
Hex	3A3634
RGB	58, 54, 52
RGB Percent	23%, 21%, 20%
CMY	0.7721, 0.7878, 0.7956
CMYK	0.00, 0.07, 0.10, 0.77
HSL	20°, 5%, 22%
HSV	20°, 10%, 23%
XYZ	3.6979, 3.8003, 3.8004
YIQ	54.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

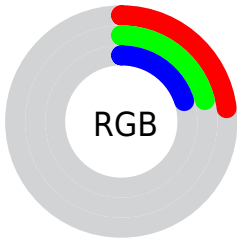
Format	Color
R_{YB}	58, 55, 52
Decimal	3814964
CIE _{Lab}	23.00, 1.32, 1.88
CIE _{LCh}	23, 2.298, 54.911
Yxy	3.8003, 0.3273, 0.3364
Android (android.graphics.Color)	4282005044 (0xFF3A3634)
YUV	54.9680, -1.4632, 2.6591
Hunter-Lab	19.4944, -0.2554, 2.0877

Details

The CIELCh color **23, 2.298, 54.911** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 2.200, 236.597**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 2.452, 66.523**, and **3, 2.250, 65.175** is the 20% darker color. If you saturate the color by 10%, you get **22, 4.666, 54.331**, and if you desaturate by 10%, it is **24, 0.069, 52.730**.

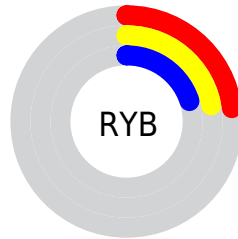
Distribution



Red (23%)

Green (21%)

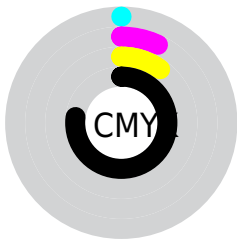
Blue (20%)



Red (23%)

Yellow (22%)

Blue (20%)

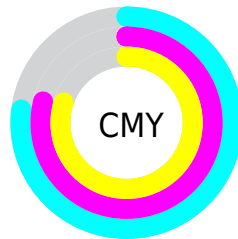


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (77%)



Cyan (77%)

Magenta (79%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 2.298, 54.911 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, 2.298, 54.911 by changing the saturation by 10% instead.

 23, 2.298, 54.911  23, 2.298, 54.911

 100, 2.298, 54.911  13, 2.298, 54.911

 43, 2.298, 54.911  3, 2.298, 54.911

 53, 2.298, 54.911  0, 2.298, 54.911

 63, 2.298, 54.911

 73, 2.298, 54.911

 83, 2.298, 54.911

 93, 2.298, 54.911

 23, 2.298, 54.911  23, 2.298, 54.911

 22, 4.666, 54.331  24, 0.069, 52.730

■ 20, 7.184, 53.736	■ 26, 2.035, 236.499
■ 19, 9.864, 53.184	■ 27, 4.025, 237.154
■ 18, 12.710, 52.691	■ 29, 5.914, 237.845
■ 16, 15.722, 52.266	■ 30, 7.713, 238.541
■ 15, 18.747, 51.577	■ 32, 9.431, 239.231
■ 14, 21.241, 49.608	■ 33, 11.077, 239.911
■ 13, 23.369, 47.150	■ 35, 12.658, 240.577
■ 12, 25.413, 45.388	■ 36, 14.183, 241.227

Harmonies

Complementary

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



23, 2.298, 54.911



23, 2.200, 236.597

Rectangle

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



23, 2.298, 54.911



23, 2.298, 104.911



23, 2.298, 234.911



23, 2.298, 284.911

Sweetspot

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



23, 2.298, 54.936



32, 0.820, 55.211



22, 3.858, 336.252



15, 0.612, 55.218



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, 2.298, 54.936



30, 3.383, 54.802



24, 3.332, 101.342



10, 1.189, 55.050



21, 40.732, 49.226



52, 83.188, 48.739

Inverse Universe

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



23, 2.200, 236.597



31, 3.205, 236.774



22, 3.375, 283.379



10, 1.149, 236.451



24, 23.643, 258.194



58, 46.567, 262.740

Previews

White Background



This preview shows how the CIELCh color 23, 2.298, 54.911 looks on a white background.

Color Contrast Check

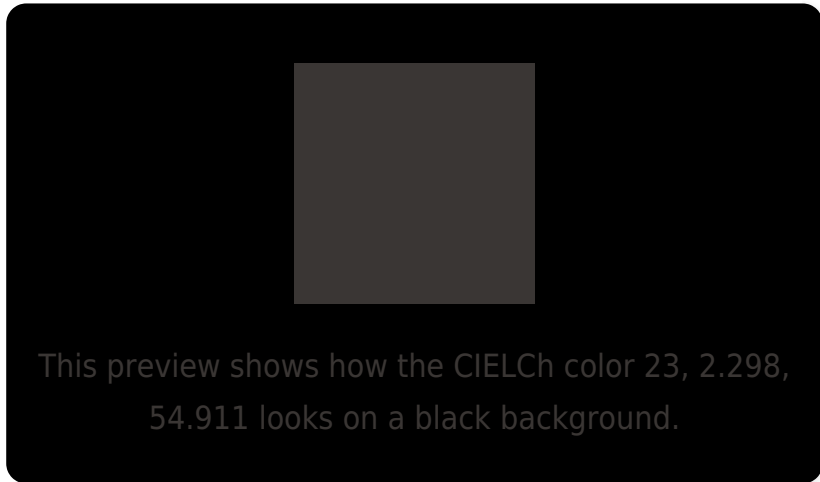
Large Text (above 18pt) WCAG AA ✓ Pass

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

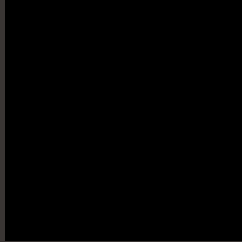
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

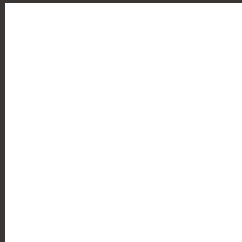
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 2.298, 54.911

Background



This preview shows how black text looks on a background with the CIELCh color 23, 2.298, 54.911.

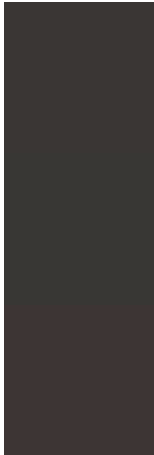


This preview shows how white text looks on a background with the CIELCh color 23, 2.298, 54.911.

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, 2.298, 54.911

Protanopia

23, 2.042, 96.483

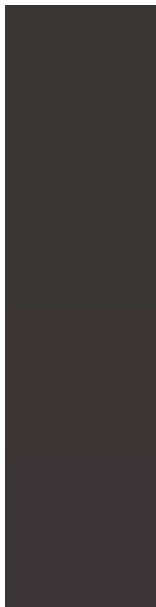
Deuteranopia

23, 3.849, 29.976



Tritanopia
23, 3.848, 336.244

Trichromacy



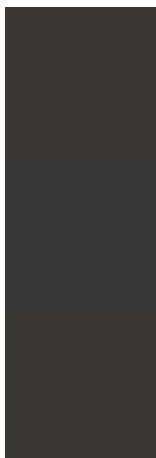
Original Color
23, 2.298, 54.911

Protanomaly
23, 2.195, 84.420

Deuteranomaly
23, 3.375, 31.300

Tritanomaly
23, 3.092, 354.450

Monochromacy



Original Color
23, 2.298, 54.911

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 0.803, 74.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 2.298, 54.911 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(58, 54, 52)` looks like.

```
.text, #text, p{  
    color:rgb(58, 54, 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(58, 54, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 54, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 2.298, 54.911 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(58, 54, 52) }
```

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

```
.border{ border-color:rgb(58, 54, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 54, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 54, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 54, 52);  
box-shadow:4px 4px 4px 4px rgb(58, 54, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 2.298, 54.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 54, 52) }
```

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

```
.background{ background-color: rgb(58, 54,  
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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