

Converting Colors

CIELCh(23, 5.146, 12.815)

Have a look what the booklet for
CIELCh(23, 5.146, 12.815) contains.

CIELCh(23, 5.244, 13.170)	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, 5.244, 13.170)

Conversions

Conversions Part 1

Format	Color
Hex	3F3435
RGB	63, 52, 53
RGB Percent	25%, 20%, 21%
CMY	0.7520, 0.7952, 0.7913
CMYK	0.00, 0.17, 0.16, 0.75
HSL	355°, 10%, 23%
HSV	355°, 17%, 25%
XYZ	3.9513, 3.8003, 3.9212
YIQ	55.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

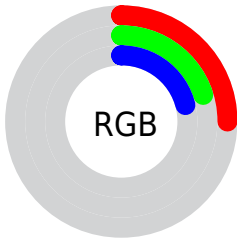
Format	Color
RYB	63, 52, 53
Decimal	4142133
CIELab	23.00, 5.11, 1.19
CIElCh	23, 5.244, 13.170
Yxy	3.8003, 0.3385, 0.3256
Android (android.graphics.Color)	4282332213 (0xFF3F3435)
YUV	55.4030, -1.1847, 6.6626
Hunter-Lab	19.4944, 2.0651, 1.7201

Details

The CIELCh color **23, 5.244, 13.170** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 4.836, 190.805**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 5.538, 13.871**, and **3, 5.260, 10.580** is the 20% darker color. If you saturate the color by 10%, you get **21, 8.492, 14.157**, and if you desaturate by 10%, it is **25, 2.167, 12.310**.

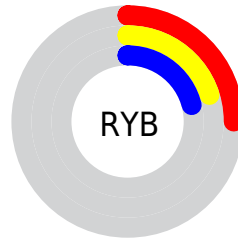
Distribution



Red (25%)

Green (20%)

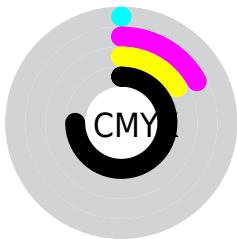
Blue (21%)



Red (25%)

Yellow (20%)

Blue (21%)

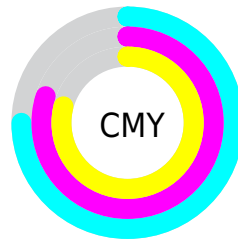


Cyan (0%)

Magenta (17%)

Yellow (16%)

Black (75%)



Cyan (75%)

Magenta (80%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 5.244, 13.170 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, 5.244, 13.170 by changing the saturation by 10% instead.

■ 23, 5.244, 13.170

■ 23, 5.244, 13.170

■ 100, 5.244, 13.170

■ 13, 5.244, 13.170

■ 43, 5.244, 13.170

■ 3, 5.244, 13.170

■ 53, 5.244, 13.170

■ 0, 5.244, 13.170

■ 63, 5.244, 13.170

■ 73, 5.244, 13.170

■ 83, 5.244, 13.170

■ 93, 5.244, 13.170

■ 23, 5.244, 13.170

■ 23, 5.244, 13.170

■ 21, 8.492, 14.157

■ 25, 2.167, 12.310

19, 11.901, 15.329

27, 0.735, 192.063

17, 15.439, 16.758

30, 3.469, 191.225

15, 19.054, 18.521

32, 6.047, 190.691

14, 22.672, 20.702

34, 8.479, 190.237

12, 26.105, 22.898

36, 10.781,
189.840

11, 28.967, 23.989

38, 12.964,
189.488

10, 31.702, 23.534

10, 32.447, 23.299

41, 15.041,
189.173

43, 17.023,
188.888

Harmonies

Complementary

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



23, 5.244, 13.170



26, 4.836, 190.805

Rectangle

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



23, 5.244, 13.170



23, 5.244, 63.170



23, 5.244, 193.170



23, 5.244, 243.170

Sweetspot

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



23, 5.243, 13.178



33, 1.797, 12.104



23, 8.590, 322.440



16, 1.206, 12.129



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, 5.243, 13.178



29, 7.923, 13.598



24, 4.281, 62.313



10, 1.584, 12.395



18, 45.533, 31.207



46, 90.303, 36.813

Inverse Universe

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



23, 5.243, 13.178



29, 7.923, 13.598



24, 4.017, 245.733



10, 1.584, 12.395



18, 45.533, 31.207



46, 90.303, 36.813

Previews

White Background



This preview shows how the CIELCh color 23, 5.244, 13.170 looks on a white background.

Color Contrast Check

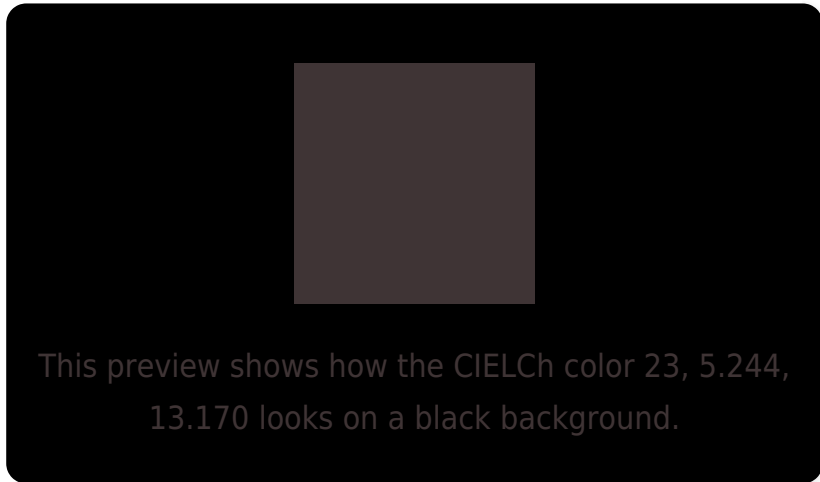
Large Text (above 18pt) WCAG AA ✓ Pass

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

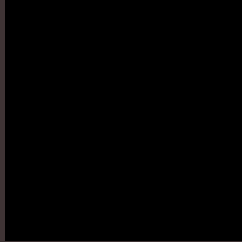
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 5.244, 13.170

Background



This preview shows how black text looks on a background with the CIELCh color 23, 5.244, 13.170.

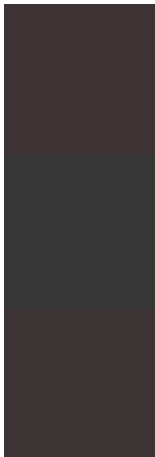


This preview shows how white text looks on a background with the CIELCh color 23, 5.244, 13.170.

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, 5.244, 13.170

Protanopia

23, 0.460, 19.007

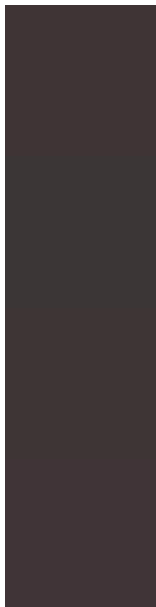
Deuteranopia

23, 3.769, 20.084



Tritanopia
23, 6.187, 355.276

Trichromacy



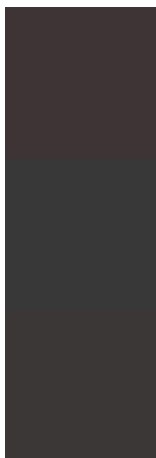
Original Color
23, 5.244, 13.170

Protanomaly
23, 2.331, 19.759

Deuteranomaly
23, 4.250, 20.185

Tritanomaly
23, 5.961, 1.127

Monochromacy



Original Color
23, 5.244, 13.170

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 1.854, 19.637

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 23, 5.244, 13.170 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(63, 52, 53)` looks like.

```
.text, #text, p{  
    color:rgb(63, 52, 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(63, 52, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 52, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 5.244, 13.170 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(63, 52, 53) }
```

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

```
.border{ border-color:rgb(63, 52, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 52, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 52, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 52, 53);  
box-shadow:4px 4px 4px 4px rgb(63, 52, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 5.244, 13.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 52, 53) }
```

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

```
.background{ background-color: rgb(63, 52,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor