

Converting Colors

CIELCh(23, 13.077, 106.591)

Have a look what the booklet for
CIELCh(23, 13.077, 106.591)
contains.

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Color

CIELCh(23, 13.133, 107.237)

Conversions

Conversions Part 1

Format	Color
Hex	383824
RGB	56, 56, 36
RGB Percent	22%, 22%, 14%
CMY	0.7803, 0.7803, 0.8587
CMYK	0.00, 0.00, 0.36, 0.78
HSL	60°, 22%, 18%
HSV	60°, 36%, 22%
XYZ	3.3670, 3.8003, 2.2274
YIQ	53.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

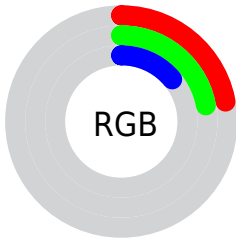
Format	Color
RYB	36, 56, 36
Decimal	3684388
CIELab	23.00, -3.89, 12.54
CIELCh	23, 13.133, 107.237
Yxy	3.8003, 0.3584, 0.4045
Android (android.graphics.Color)	4281874468 (0xFF383824)
YUV	53.7200, -8.7360, 1.9996
Hunter-Lab	19.4944, -3.2855, 6.8718

Details

The CIELCh color **23, 13.133, 107.237** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 14.145, 293.942**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 13.113, 108.241**, and **3, 5.643, 128.087** is the 20% darker color. If you saturate the color by 10%, you get **23, 16.684, 106.436**, and if you desaturate by 10%, it is **23, 9.503, 108.062**.

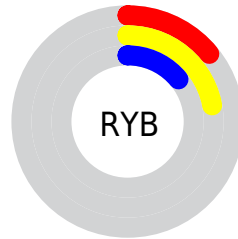
Distribution



 Red (22%)

 Green (22%)

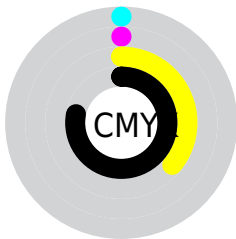
 Blue (14%)



 Red (14%)

 Yellow (22%)

 Blue (14%)

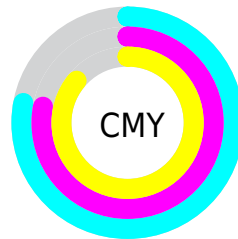



 Cyan (0%)

 Magenta (0%)

 Yellow (36%)

 Black (78%)



 Cyan (78%)


 Magenta (78%)


 Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 13.133, 107.237 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, 13.133, 107.237 by changing the saturation by 10% instead.

 23, 13.133,
107.237


 23, 13.133,
107.237

 100, 13.133,
107.237


 13, 13.133,
107.237


 43, 13.133,
107.237


 3, 13.133, 107.237

 53, 13.133,
107.237

 0, 13.133, 107.237

 63, 13.133,
107.237

 73, 13.133,
107.237

 83, 13.133,
107.237

 93, 13.133,

107.237

■ 23, 13.133,
107.237

■ 23, 13.133,
107.237

■ 23, 16.684,
106.436

■ 23, 9.503, 108.062

■ 23, 5.823, 108.888

■ 23, 20.106,
105.664

■ 23, 2.115, 109.703

■ 23, 23.334,
104.944

■ 24, 1.604, 290.544

■ 23, 26.275,
104.296

■ 24, 5.325, 291.325

■ 24, 9.040, 292.094

■ 23, 28.683,
103.824

■ 24, 12.743,
292.837

■ 23, 30.939,
103.454

■ 25, 16.430,

■ 23, 31.910,
103.313

293.551

■ 25, 20.097,
294.235

Harmonies

Complementary

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



23, 13.133, 107.237



15, 14.145, 293.942

Rectangle

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



23, 13.133, 107.237



23, 13.133, 157.237



23, 13.133, 287.237



23, 13.133, 337.237

Sweetspot

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



23, 13.134, 107.241



31, 5.148, 109.228



17, 10.284, 21.963



15, 3.492, 109.201



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, 13.134, 107.241



31, 19.805, 106.476



22, 14.105, 127.652



10, 2.058, 109.491



38, 45.942, 102.855



85, 86.478, 102.855

Inverse Universe

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



15, 14.145, 293.942



19, 21.862, 295.291



16, 14.719, 310.552



9, 2.094, 290.905



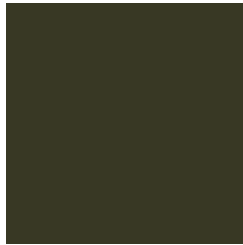
7, 63.241, 306.177



27, 119.410, 306.287

Previews

White Background



This preview shows how the CIE LCh color 23, 13.133, 107.237 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

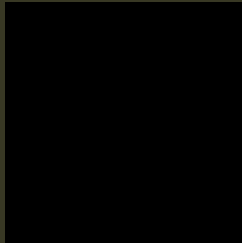
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

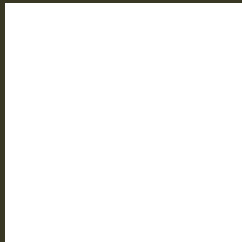
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 13.133, 107.237

Background



This preview shows how black text looks on a background with the CIELCh color 23, 13.133, 107.237.

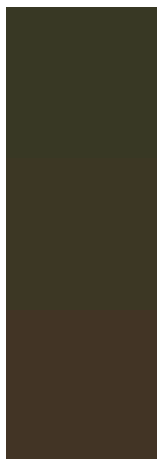


This preview shows how white text looks on a background with the CIELCh color 23, 13.133, 107.237.

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, 13.133, 107.237

Protanopia

23, 12.792, 95.807

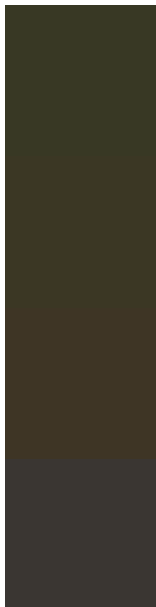
Deuteranopia

23, 12.447, 72.350



Tritanopia
23, 4.333, 329.891

Trichromacy



Original Color
23, 13.133, 107.237

Protanomaly
23, 12.693, 98.082

Deuteranomaly
23, 11.633, 84.341

Tritanomaly
23, 3.267, 73.930

Monochromacy



Original Color
23, 13.133, 107.237

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 5.312, 108.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 13.133, 107.237 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(56, 56, 36)` looks like.

```
.text, #text, p{  
    color:rgb(56, 56, 36)  
}
```

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(56, 56, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 56, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 13.133, 107.237 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(56, 56, 36) }
```

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

```
.border{ border-color:rgb(56, 56, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 56, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 56, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 56, 36);  
box-shadow:4px 4px 4px 4px rgb(56, 56, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 13.133, 107.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 56, 36) }
```

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

```
.background{ background-color: rgb(56, 56,  
36) }
```

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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