

Converting Colors

CIELCh(23, 23.262, 87.073)

Have a look what the booklet for
CIELCh(23, 23.262, 87.073) contains.

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Color

CIELCh(23, 23.315, 85.969)

Conversions

Conversions Part 1

Format	Color
Hex	433513
RGB	67, 53, 19
RGB Percent	26%, 21%, 7%
CMY	0.7368, 0.7917, 0.9251
CMYK	0.00, 0.21, 0.72, 0.74
HSL	42°, 56%, 17%
HSV	42°, 72%, 26%
XYZ	3.7188, 3.8003, 1.1581
YIQ	53.3100, 19.2580, -7.6060

Conversions

Conversions Part 2

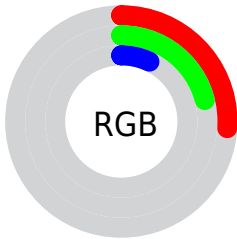
Format	Color
RYB	39, 67, 19
Decimal	4404499
CIE Lab	23.00, 1.64, 23.26
CIE LCh	23, 23.315, 85.969
Yxy	3.8003, 0.4286, 0.4380
Android (android.graphics.Color)	4282594579 (0xFF433513)
YUV	53.3100, -16.9148, 12.0061
Hunter-Lab	19.4944, -0.0644, 10.1238

Details

The CIELCh color **23, 23.315, 85.969** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 24.384, 286.874**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 23.173, 85.352**, and **3, 4.976, 66.229** is the 20% darker color. If you saturate the color by 10%, you get **22, 26.190, 84.631**, and if you desaturate by 10%, it is **24, 20.152, 87.239**.

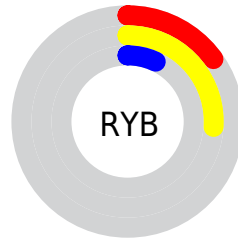
Distribution



 Red (26%)

 Green (21%)

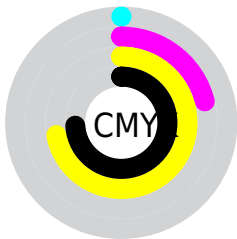
 Blue (7%)



 Red (15%)

 Yellow (26%)

 Blue (7%)

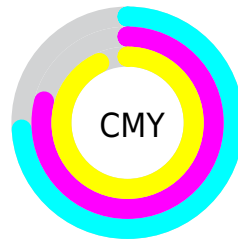


 Cyan (0%)

 Magenta (21%)

 Yellow (72%)

 Black (74%)



 Cyan (74%)

 Magenta (79%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 23.315, 85.969 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, 23.315, 85.969 by changing the saturation by 10% instead.

■ 23, 23.315, 85.969

■ 23, 23.315, 85.969

■ 100, 23.315,
85.969

■ 13, 23.315, 85.969

■ 43, 23.315, 85.969

■ 3, 23.315, 85.969

■ 53, 23.315, 85.969

■ 0, 23.315, 85.969

■ 63, 23.315, 85.969

■ 73, 23.315, 85.969

■ 83, 23.315, 85.969

■ 93, 23.315, 85.969

■ 23, 23.315, 85.969

■ 23, 23.315, 85.969

■ 22, 26.190, 84.631

■ 24, 20.152, 87.239

■ 22, 28.376, 83.168

■ 24, 16.872, 88.464

■ 21, 30.176, 82.067

■ 25, 13.551, 89.657

■ 26, 10.233, 90.821

■ 27, 6.941, 91.954

■ 28, 3.690, 93.047

■ 28, 0.485, 93.943

■ 29, 2.673, 275.217

■ 30, 5.783, 276.193

Harmonies

Complementary

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



23, 23.315, 85.969



13, 24.384, 286.874

Rectangle

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



23, 23.315, 85.969



23, 23.315, 135.969



23, 23.315, 265.969



23, 23.315, 315.969

Sweetspot

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



23, 23.315, 85.972



35, 8.375, 91.919



14, 24.731, 5.849



16, 5.583, 91.809



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 23.315, 85.972



29, 33.613, 83.506



27, 29.467, 114.053



12, 1.756, 93.367



31, 40.986, 81.186



70, 75.269, 79.209

Inverse Universe

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



13, 24.384, 286.874



15, 37.061, 291.996



10, 34.917, 304.398



12, 1.763, 275.283



14, 48.073, 296.544



36, 95.804, 299.177

Previews

White Background



This preview shows how the CIELCh color 23, 23.315, 85.969 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 CIE LCh color 23, 23.315, 85.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

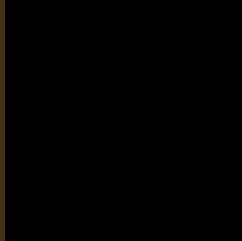
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 23.315, 85.969

Background



This preview shows how black text looks on a background with the CIELCh color 23, 23.315, 85.969.

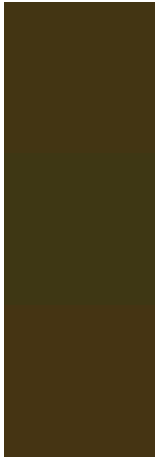


This preview shows how white text looks on a background with the CIELCh color 23, 23.315, 85.969.

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, 23.315, 85.969

Protanopia

23, 22.715, 95.528

Deuteranopia

23, 23.496, 81.834



Tritanopia
23, 9.831, 5.948

Trichromacy



Original Color
23, 23.315, 85.969

Protanomaly
23, 22.568, 91.264

Deuteranomaly
23, 23.255, 83.047

Tritanomaly
23, 11.480, 55.659

Monochromacy



Original Color
23, 23.315, 85.969

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 8.382, 90.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 23.315, 85.969 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(67, 53, 19)` looks like.

```
.text, #text, p{  
    color:rgb(67, 53, 19)  
}
```

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(67, 53, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 53, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 23.315, 85.969 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(67, 53, 19) }
```

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

```
.border{ border-color:rgb(67, 53, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 53, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 53, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 53, 19);  
box-shadow:4px 4px 4px 4px rgb(67, 53, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 23.315, 85.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 53, 19) }
```

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

```
.background{ background-color: rgb(67, 53,  
19) }
```

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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