

Converting Colors

CIELCh(23, 81.724, 70.681)

Have a look what the booklet for
CIELCh(23, 81.724, 70.681) contains.

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Color

CIELCh(23, 43.369, 50.917)

Conversions

Conversions Part 1

Format	Color
Hex	632300
RGB	99, 35, 0
RGB Percent	39%, 14%, 0%
CMY	0.6137, 0.8644, 1.0000
CMYK	0.00, 0.65, 1.00, 0.61
HSL	21°, 100%, 19%
HSV	21°, 100%, 39%
XYZ	5.6768, 3.8003, 0.4188
YIQ	50.1460, 49.3790, 2.6830

Conversions

Conversions Part 2

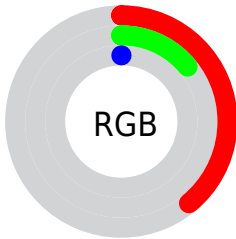
Format	Color
RYB	99, 54, 0
Decimal	6497024
CIELab	23.00, 27.34, 33.66
CIELCh	23, 43.369, 50.917
Yxy	3.8003, 0.5736, 0.3840
Android (android.graphics.Color)	4284687104 (0xFF632300)
YUV	50.1460, -24.7220, 42.8450
Hunter-Lab	19.4944, 17.8643, 12.3723

Details

The CIELCh color **23, 43.369, 50.917** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **25, 25.672, 261.596**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 43.268, 50.809**, and **5, 23.909, 20.292** is the 20% darker color. If you saturate the color by 10%, you get **23, 43.211, 50.723**, and if you desaturate by 10%, it is **24, 39.195, 51.915**.

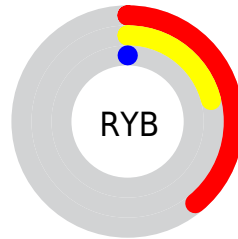
Distribution



 Red (39%)

 Green (14%)

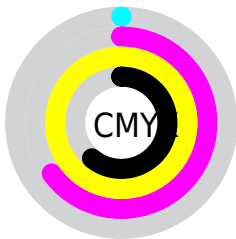
 Blue (0%)



 Red (39%)

 Yellow (21%)

 Blue (0%)

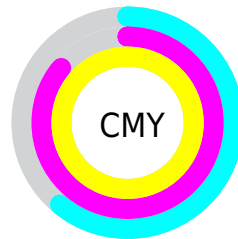


 Cyan (0%)

 Magenta (65%)

 Yellow (100%)

 Black (61%)



 Cyan (61%)

 Magenta (86%)

 Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 43.369, 50.917 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, 43.369, 50.917 by changing the saturation by 10% instead.

■ 23, 43.369, 50.917

■ 23, 43.369, 50.917

■ 100, 43.369,
50.917

■ 13, 43.369, 50.917

■ 43, 43.369, 50.917

■ 3, 43.369, 50.917

■ 53, 43.369, 50.917

■ 0, 43.369, 50.917

■ 63, 43.369, 50.917

■ 73, 43.369, 50.917

■ 83, 43.369, 50.917

■ 93, 43.369, 50.917

■ 23, 43.369, 50.917

■ 23, 43.369, 50.917

■ 23, 43.211, 50.723

■ 24, 39.195, 51.915

■ 26, 34.482, 52.755

■ 28, 29.447, 53.261

■ 29, 24.499, 53.751

■ 31, 19.762, 54.290

■ 33, 15.287, 54.896

■ 35, 11.084, 55.564

■ 37, 7.147, 56.280

■ 40, 3.459, 57.009

Harmonies

Complementary

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



23, 43.369, 50.917



25, 25.672, 261.596

Rectangle

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



23, 43.369, 50.917



23, 43.369, 100.917



23, 43.369, 230.917



23, 43.369, 280.917

Sweetspot

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



23, 43.211, 50.723



46, 13.745, 55.504



20, 45.136, 347.128



22, 9.385, 55.310



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



23, 43.211, 50.723



30, 54.136, 51.066



36, 43.853, 92.787



19, 1.906, 57.088



27, 48.572, 51.023



57, 88.261, 49.510

Inverse Universe

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



25, 25.672, 261.596



33, 31.383, 263.231



11, 58.311, 302.457



19, 1.835, 238.761



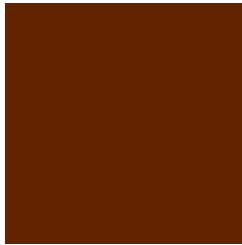
29, 28.402, 262.467



62, 51.635, 265.928

Previews

White Background



This preview shows how the CIE LCh color 23, 43.369, 50.917 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, 43.369, 50.917 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, 43.369, 50.917

Background



This preview shows how black text looks on a background with the CIELCh color 23, 43.369, 50.917.



This preview shows how white text looks on a background with the CIELCh color 23, 43.369, 50.917.

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, 43.369, 50.917

Protanopia

23, 28.199, 96.143

Deuteranopia

23, 32.457, 85.259



Tritanopia
23, 33.952, 26.348

Trichromacy



Original Color
23, 43.369, 50.917

Protanomaly
23, 30.640, 73.175

Deuteranomaly
23, 34.481, 68.805

Tritanomaly
23, 37.086, 38.155

Monochromacy



Original Color
23, 43.369, 50.917

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 15.452, 52.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 43.369, 50.917 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(99, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 35, 0)  
}
```

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(99, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 35, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 43.369, 50.917 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(99, 35, 0) }
```

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

```
.border{ border-color:rgb(99, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(99, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 35, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 35, 0); box-shadow:4px  
4px 4px 4px rgb(99, 35, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 43.369, 50.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 35, 0) }
```

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

```
.background{ background-color: rgb(99, 35,  
0) }
```

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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