

Converting Colors

CIELCh(23, 33.200, 15.699)

Have a look what the booklet for
CIELCh(23, 33.200, 15.699) contains.

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Color

CIELCh(23, 32.915, 15.791)

Conversions

Conversions Part 1

Format	Color
Hex	631F2B
RGB	99, 31, 43
RGB Percent	39%, 12%, 17%
CMY	0.6120, 0.8786, 0.8316
CMYK	0.00, 0.69, 0.57, 0.61
HSL	349°, 52%, 25%
HSV	349°, 69%, 39%
XYZ	6.0626, 3.8003, 2.6948
YIQ	52.7000, 36.6760, 18.1480

Conversions

Conversions Part 2

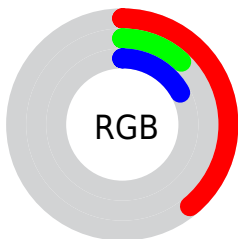
Format	Color
R_{YB}	99, 31, 43
Decimal	6496043
CIE _{Lab}	23.00, 31.67, 8.96
CIE _{LCh}	23, 32.915, 15.791
Yxy	3.8003, 0.4828, 0.3026
Android (android.graphics.Color)	4284686123 (0xFF631F2B)
YUV	52.7000, -4.7821, 40.6051
Hunter-Lab	19.4944, 21.3970, 5.4502

Details

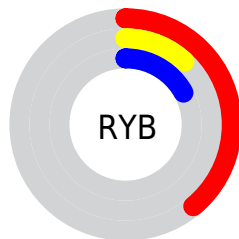
The CIELCh color **23, 32.915, 15.791** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **38, 24.303, 178.564**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 32.971, 15.571**, and **6, 25.890, 21.103** is the 20% darker color. If you saturate the color by 10%, you get **21, 37.360, 19.079**, and if you desaturate by 10%, it is **25, 28.110, 13.151**.

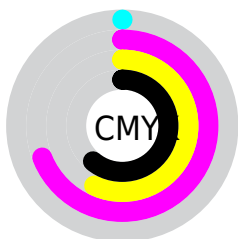
Distribution



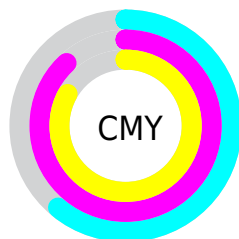
- Red (39%)
- Green (12%)
- Blue (17%)



- Red (39%)
- Yellow (12%)
- Blue (17%)



- Cyan (0%)
- Magenta (69%)
- Yellow (57%)
- Black (61%)



- Cyan (61%)
- Magenta (88%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 32.915, 15.791 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, 32.915, 15.791 by changing the saturation by 10% instead.

■ 23, 32.915, 15.791

■ 23, 32.915, 15.791

■ 100, 32.915,
15.791

■ 13, 32.915, 15.791

■ 43, 32.915, 15.791

■ 3, 32.915, 15.791

■ 53, 32.915, 15.791

■ 0, 32.915, 15.791

■ 63, 32.915, 15.791

■ 73, 32.915, 15.791

■ 83, 32.915, 15.791

■ 93, 32.915, 15.791

■ 23, 32.915, 15.791

■ 23, 32.915, 15.791

■ 21, 37.360, 19.079

■ 25, 28.110, 13.151

■ 20, 41.327, 23.080

■ 28, 23.116, 11.033

■ 19, 45.144, 27.050

■ 30, 18.086, 9.322

■ 19, 45.632, 27.413

■ 33, 13.143, 7.918

■ 36, 8.365, 6.743

■ 39, 3.798, 5.718

■ 42, 0.540, 185.532

■ 46, 4.649, 184.294

■ 49, 8.537, 183.620

Harmonies

Complementary

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



23, 32.915, 15.791



38, 24.303, 178.564

Rectangle

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



23, 32.915, 15.791



23, 32.915, 65.791



23, 32.915, 195.791



23, 32.915, 245.791

Sweetspot

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



23, 32.913, 15.793



45, 11.642, 7.062



23, 46.407, 321.808



22, 7.845, 7.269



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, 32.913, 15.793



28, 47.491, 21.242



27, 29.248, 50.276



18, 2.402, 5.731



22, 50.319, 28.501



50, 90.879, 32.091

Inverse Universe

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



23, 32.913, 15.793



28, 47.491, 21.242



31, 19.121, 244.389



18, 2.402, 5.731



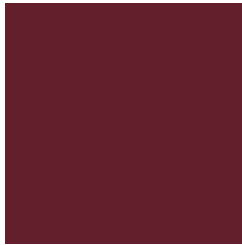
22, 50.319, 28.501



50, 90.879, 32.091

Previews

White Background



This preview shows how the CIE LCh color 23, 32.915, 15.791 looks on a white background.

Color Contrast Check

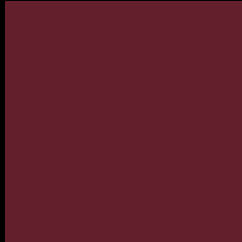
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.915, 15.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

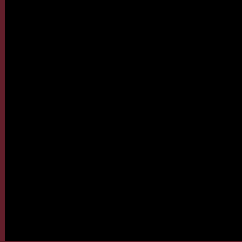
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 32.915, 15.791

Background



This preview shows how black text looks on a background with the CIELCh color 23, 32.915, 15.791.



This preview shows how white text looks on a background with the CIELCh color 23, 32.915, 15.791.

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, 32.915, 15.791

Protanopia

24, 0.801, 74.868

Deuteranopia

24, 11.489, 72.883



Tritanopia
23, 33.138, 26.962

Trichromacy



Original Color
23, 32.915, 15.791

Protanomaly
22, 12.300, 9.771

Deuteranomaly
23, 17.390, 33.601

Tritanomaly
23, 32.883, 22.961

Monochromacy



Original Color
23, 32.915, 15.791

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 12.379, 9.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 32.915, 15.791 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, 31, 43)` looks like.

```
.text, #text, p{  
    color:rgb(99, 31, 43)  
}
```

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, 31, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 31, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 32.915, 15.791 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, 31, 43) }
```

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

```
.border{ border-color:rgb(99, 31, 43) }
```

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

Here you see how a box with a 4 pixel rgb(99, 31, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 31, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 31, 43);  
box-shadow:4px 4px 4px 4px rgb(99, 31, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 32.915, 15.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 31, 43) }
```

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

```
.background{ background-color: rgb(99, 31,  
43) }
```

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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