

Converting Colors

CIELCh(23, 18.792, 57.814)

Have a look what the booklet for
CIELCh(23, 18.792, 57.814) contains.

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Color

CIELCh(23, 18.713, 57.491)

Conversions

Conversions Part 1

Format	Color
Hex	4C3120
RGB	76, 49, 32
RGB Percent	30%, 19%, 13%
CMY	0.7032, 0.8089, 0.8755
CMYK	0.00, 0.36, 0.58, 0.70
HSL	23°, 41%, 21%
HSV	23°, 58%, 30%
XYZ	4.2999, 3.8003, 1.8548
YIQ	55.1350, 21.5490, 0.4370

Conversions

Conversions Part 2

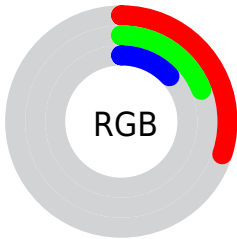
Format	Color
R_{YB}	76, 60, 32
Decimal	4993312
CIE _{Lab}	23.00, 10.06, 15.78
CIE _{LCh}	23, 18.713, 57.491
Yxy	3.8003, 0.4319, 0.3817
Android (android.graphics.Color)	4283183392 (0xFF4C3120)
YUV	55.1350, -11.4056, 18.2986
Hunter-Lab	19.4944, 5.2571, 8.0050

Details

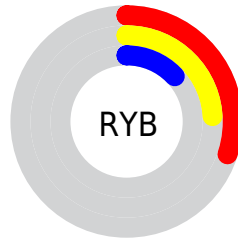
The CIELCh color **23, 18.713, 57.491** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 14.288, 251.268**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 18.962, 57.125**, and **3, 11.078, 25.673** is the 20% darker color. If you saturate the color by 10%, you get **22, 22.551, 56.795**, and if you desaturate by 10%, it is **24, 15.038, 58.227**.

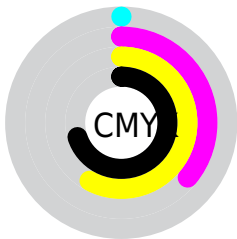
Distribution



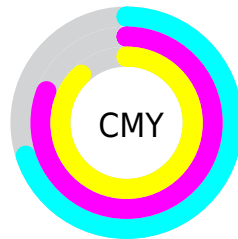
- Red (30%)
- Green (19%)
- Blue (13%)



- Red (30%)
- Yellow (24%)
- Blue (13%)



- Cyan (0%)
- Magenta (36%)
- Yellow (58%)
- Black (70%)



- Cyan (70%)
- Magenta (81%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 18.713, 57.491 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, 18.713, 57.491 by changing the saturation by 10% instead.

■ 23, 18.713, 57.491

■ 23, 18.713, 57.491

■ 100, 18.713,
57.491

■ 13, 18.713, 57.491

■ 43, 18.713, 57.491

■ 3, 18.713, 57.491

■ 53, 18.713, 57.491

■ 0, 18.713, 57.491

■ 63, 18.713, 57.491

■ 73, 18.713, 57.491

■ 83, 18.713, 57.491

■ 93, 18.713, 57.491

■ 23, 18.713, 57.491

■ 23, 18.713, 57.491

■ 22, 22.551, 56.795

■ 24, 15.038, 58.227

■ 20, 26.470, 56.062

■ 26, 11.555, 58.999

■ 19, 29.684, 54.348

■ 28, 8.266, 59.807

■ 18, 32.505, 52.514

■ 29, 5.165, 60.638

■ 18, 33.048, 52.223

■ 31, 2.240, 61.449

■ 33, 0.525, 242.859

■ 34, 3.145, 243.382

■ 36, 5.636, 244.225

■ 38, 8.011, 245.076

Harmonies

Complementary

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



23, 18.713, 57.491



23, 14.288, 251.268

Rectangle

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



23, 18.713, 57.491



23, 18.713, 107.491



23, 18.713, 237.491



23, 18.713, 287.491

Sweetspot

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



23, 18.713, 57.496



39, 6.085, 60.672



19, 25.808, 342.600



19, 4.115, 60.594



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



23, 18.713, 57.496



29, 29.414, 56.471



30, 24.197, 99.305



14, 1.566, 61.403



25, 44.002, 53.363



56, 83.651, 51.722

Inverse Universe

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



23, 14.288, 251.268



29, 20.790, 255.419



16, 27.086, 293.381



14, 1.517, 243.174



25, 28.083, 267.311



57, 53.528, 271.211

Previews

White Background



This preview shows how the CIE LCh color 23, 18.713, 57.491 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, 18.713, 57.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

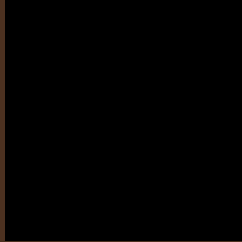
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 18.713, 57.491

Background



This preview shows how black text looks on a background with the CIELCh color 23, 18.713, 57.491.

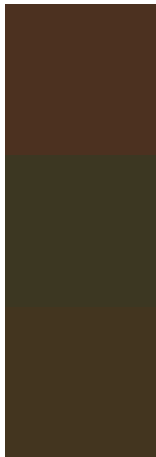


This preview shows how white text looks on a background with the CIELCh color 23, 18.713, 57.491.

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, 18.713, 57.491

Protanopia

23, 14.061, 96.481

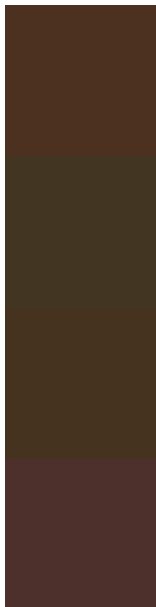
Deuteranopia

23, 16.434, 80.078



Tritanopia
23, 15.238, 12.969

Trichromacy



Original Color
23, 18.713, 57.491

Protanomaly
23, 14.997, 80.108

Deuteranomaly
23, 16.935, 70.490

Tritanomaly
23, 15.558, 32.120

Monochromacy



Original Color
23, 18.713, 57.491

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 6.345, 58.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 18.713, 57.491 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(76, 49, 32)` looks like.

```
.text, #text, p{  
    color:rgb(76, 49, 32)  
}
```

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(76, 49, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 49, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 18.713, 57.491 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(76, 49, 32) }
```

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

```
.border{ border-color:rgb(76, 49, 32) }
```

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

Here you see how a box with a 4 pixel rgb(76, 49, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 49, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 49, 32);  
box-shadow:4px 4px 4px 4px rgb(76, 49, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 18.713, 57.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 49, 32) }
```

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

```
.background{ background-color: rgb(76, 49,  
32) }
```

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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