

Converting Colors

CIELCh(23, 18.820, 5.245)

Have a look what the booklet for
CIELCh(23, 18.820, 5.245) contains.

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Color

CIELCh(23, 18.416, 5.237)

Conversions

Conversions Part 1

Format	Color
Hex	512C35
RGB	81, 44, 53
RGB Percent	32%, 17%, 21%
CMY	0.6826, 0.8277, 0.7924
CMYK	0.00, 0.46, 0.35, 0.68
HSL	345°, 30%, 24%
HSV	345°, 46%, 32%
XYZ	4.9279, 3.8003, 3.8353
YIQ	56.0890, 19.1630, 10.6430

Conversions

Conversions Part 2

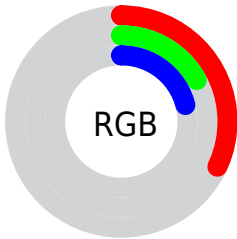
Format	Color
R_{YB}	81, 44, 53
Decimal	5319733
CIE _{Lab}	23.00, 18.34, 1.68
CIE _{LCh}	23, 18.416, 5.237
Yxy	3.8003, 0.3922, 0.3025
Android (android.graphics.Color)	4283509813 (0xFF512C35)
YUV	56.0890, -1.5229, 21.8469
Hunter-Lab	19.4944, 11.0072, 1.9815

Details

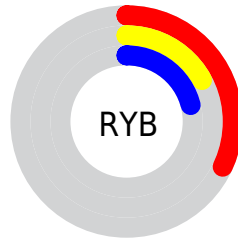
The CIELCh color **23, 18.416, 5.237** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 15.788, 175.822**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 18.755, 5.619**, and **4, 17.248, 8.625** is the 20% darker color. If you saturate the color by 10%, you get **21, 22.579, 7.062**, and if you desaturate by 10%, it is **25, 14.210, 3.734**.

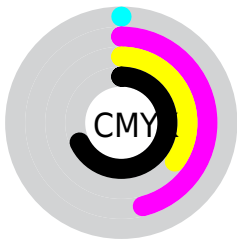
Distribution



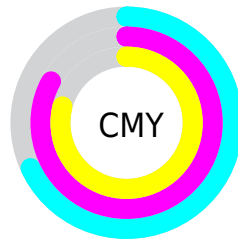
- Red (32%)
- Green (17%)
- Blue (21%)



- Red (32%)
- Yellow (17%)
- Blue (21%)



- Cyan (0%)
- Magenta (46%)
- Yellow (35%)
- Black (68%)




- Cyan (68%)
- Magenta (83%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 18.416, 5.237 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, 18.416, 5.237 by changing the saturation by 10% instead.

 23, 18.416, 5.237  23, 18.416, 5.237

 100, 18.416, 5.237  13, 18.416, 5.237

 43, 18.416, 5.237  3, 18.416, 5.237

 53, 18.416, 5.237  0, 18.416, 5.237

 63, 18.416, 5.237

 73, 18.416, 5.237

 83, 18.416, 5.237

 93, 18.416, 5.237

 23, 18.416, 5.237  23, 18.416, 5.237

 21, 22.579, 7.062  25, 14.210, 3.734

19, 26.576, 9.302

28, 10.059, 2.467

17, 30.260, 12.077

30, 6.025, 1.377

16, 33.500, 15.509

33, 2.142, 0.371

15, 36.557, 19.189

36, 1.573, 179.842

14, 37.965, 20.377

38, 5.118, 179.005

41, 8.498, 178.337

44, 11.720,
177.742

46, 14.798,
177.205

Harmonies

Complementary

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



23, 18.416, 5.237



32, 15.788, 175.822

Rectangle

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



23, 18.416, 5.237



23, 18.416, 55.237



23, 18.416, 185.237



23, 18.416, 235.237

Sweetspot

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



23, 18.415, 5.240



40, 6.620, 1.253



23, 26.845, 319.066



19, 4.621, 1.388



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



23, 18.415, 5.240



28, 27.553, 7.306



25, 15.557, 44.273



15, 2.127, 0.681



20, 45.939, 22.709



49, 84.775, 26.937

Inverse Universe

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



23, 18.415, 5.240



28, 27.553, 7.306



29, 11.671, 229.072



15, 2.127, 0.681



20, 45.939, 22.709



49, 84.775, 26.937

Previews

White Background



This preview shows how the CIE LCh color 23, 18.416, 5.237 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



This preview shows how the CIELCh color 23, 18.416, 5.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

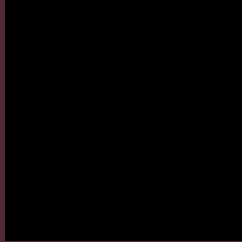
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 18.416, 5.237

Background



This preview shows how black text looks on a background with the CIELCh color 23, 18.416, 5.237.



This preview shows how white text looks on a background with the CIELCh color 23, 18.416, 5.237.

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, 18.416, 5.237

Protanopia

23, 2.669, 290.771

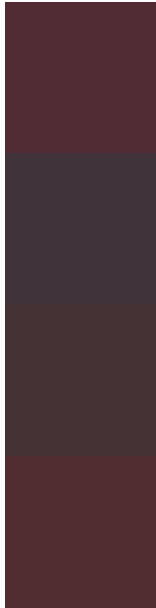
Deuteranopia

23, 4.505, 37.226



Tritanopia
23, 17.759, 17.146

Trichromacy



Original Color

23, 18.416, 5.237

Protanomaly

23, 7.219, 347.359

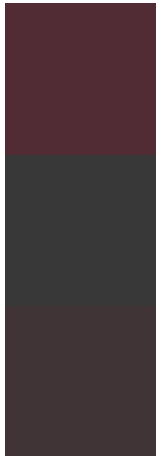
Deuteranomaly

23, 9.199, 13.087

Tritanomaly

23, 17.706, 12.920

Monochromacy



Original Color

23, 18.416, 5.237

Achromatopsia

24, 0.004, 296.813

Achromatomaly

23, 6.412, 2.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 18.416, 5.237 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(81, 44, 53)` looks like.

```
.text, #text, p{  
    color:rgb(81, 44, 53)  
}
```

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(81, 44, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 44, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 18.416, 5.237 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(81, 44, 53) }
```

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

```
.border{ border-color:rgb(81, 44, 53) }
```

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

Here you see how a box with a 4 pixel rgb(81, 44, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 44, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 44, 53);  
box-shadow:4px 4px 4px 4px rgb(81, 44, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 18.416, 5.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 44, 53) }
```

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

```
.background{ background-color: rgb(81, 44,  
53) }
```

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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