

Converting Colors

CIELCh(18, 23.204, 1.253)

Have a look what the booklet for
CIELCh(18, 23.204, 1.253) contains.

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Color

CIELCh(18, 23.216, 1.195)

Conversions

Conversions Part 1

Format	Color
Hex	4A1D2C
RGB	74, 29, 44
RGB Percent	29%, 11%, 17%
CMY	0.7097, 0.8862, 0.8274
CMYK	0.00, 0.61, 0.41, 0.71
HSL	340°, 44%, 20%
HSV	340°, 61%, 29%
XYZ	3.7201, 2.5180, 2.6743
YIQ	44.1650, 22.0050, 14.2050

Conversions

Conversions Part 2

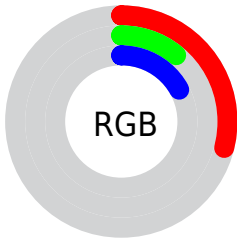
Format	Color
RYB	74, 29, 44
Decimal	4857132
CIELab	18.00, 23.21, 0.48
CIELCh	18, 23.216, 1.195
Yxy	2.5180, 0.4174, 0.2825
Android (android.graphics.Color)	4283047212 (0xFF4A1D2C)
YUV	44.1650, -0.0813, 26.1653
Hunter-Lab	15.8683, 14.0772, 1.1155

Details

The CIELCh color **18, 23.216, 1.195** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 20.185, 167.602**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.192, 1.982**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.649, 3.388**, and if you desaturate by 10%, it is **20, 19.484, 359.401**.

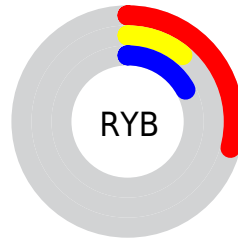
Distribution



Red (29%)

Green (11%)

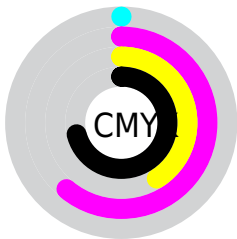
Blue (17%)



Red (29%)

Yellow (11%)

Blue (17%)

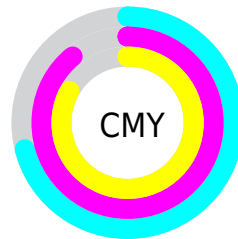


Cyan (0%)

Magenta (61%)

Yellow (41%)

Black (71%)



Cyan (71%)

Magenta (89%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.216, 1.195 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 18, 23.216, 1.195 by changing the saturation by 10% instead.

 18, 23.216, 1.195  18, 23.216, 1.195

 100, 23.216, 1.195  8, 23.216, 1.195

 38, 23.216, 1.195  0, 23.216, 1.195

 48, 23.216, 1.195

 58, 23.216, 1.195

 68, 23.216, 1.195

 78, 23.216, 1.195

 88, 23.216, 1.195

 98, 23.216, 1.195

 18, 23.216, 1.195  18, 23.216, 1.195

16, 26.649, 3.388

20, 19.484,
359.401

15, 29.639, 6.094

22, 15.598,
357.905

14, 32.165, 9.320

13, 34.722, 11.968

24, 11.668,
356.635

26, 7.776, 355.534

29, 3.973, 354.551

31, 0.290, 352.972

34, 3.258, 173.072

36, 6.668, 172.349

39, 9.941, 171.710

Harmonies

Complementary

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



18, 23.216, 1.195



28, 20.185, 167.602

Rectangle

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



18, 23.216, 1.195



18, 23.216, 51.195



18, 23.216, 181.195



18, 23.216, 231.195

Sweetspot

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



18, 23.215, 1.197



36, 8.387, 355.321



17, 32.525, 316.926



16, 5.763, 355.483



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 23.215, 1.197



22, 33.955, 4.684



19, 21.206, 37.426



14, 2.103, 354.352



20, 43.577, 14.627



49, 80.109, 18.916

Inverse Universe

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



18, 23.215, 1.197



22, 33.955, 4.684



26, 13.825, 218.540



14, 2.103, 354.352



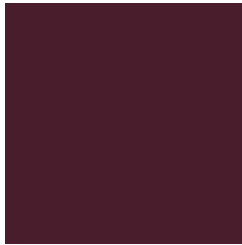
20, 43.577, 14.627



49, 80.109, 18.916

Previews

White Background



This preview shows how the CIELCh color 18, 23.216, 1.195 looks on a white background.

Color Contrast Check

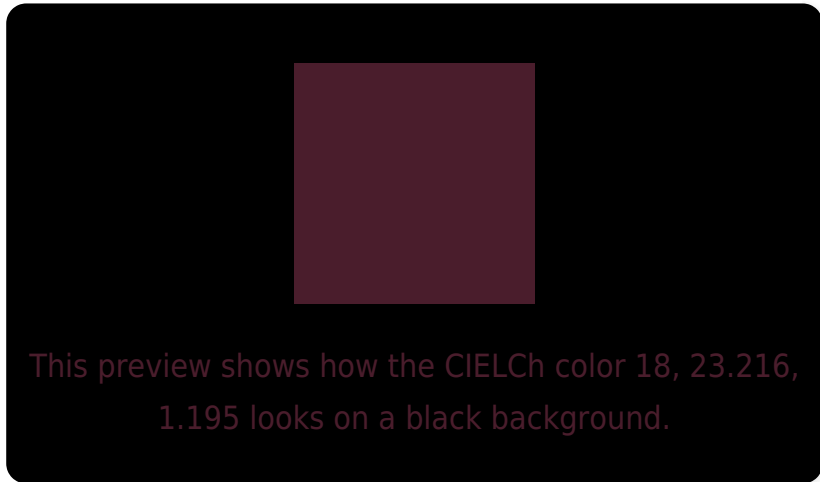
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

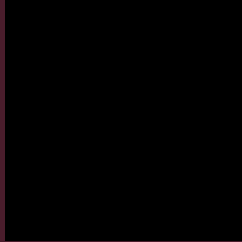
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.216, 1.195

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.216, 1.195.



This preview shows how white text looks on a background with the CIELCh color 18, 23.216, 1.195.

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

18, 23.216, 1.195

Protanopia

19, 5.554, 282.414

Deuteranopia

18, 3.994, 30.050



Tritanopia
18, 21.807, 22.022

Trichromacy



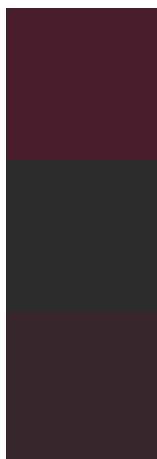
Original Color
18, 23.216, 1.195

Protanomaly
18, 10.308, 334.570

Deuteranomaly
18, 10.836, 3.849

Tritanomaly
18, 21.908, 13.671

Monochromacy



Original Color
18, 23.216, 1.195

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.487, 357.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.216, 1.195 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(74, 29, 44)` looks like.

```
.text, #text, p{  
    color:rgb(74, 29, 44)  
}
```

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(74, 29, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 29, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.216, 1.195 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(74, 29, 44) }
```

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

```
.border{ border-color:rgb(74, 29, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 29, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 29, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 29, 44);  
box-shadow:4px 4px 4px 4px rgb(74, 29, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.216, 1.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 29, 44) }
```

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

```
.background{ background-color: rgb(74, 29,  
44) }
```

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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