

Converting Colors

CIELCh(18, 23.386, 351.236)

Have a look what the booklet for
CIELCh(18, 23.386, 351.236)
contains.

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Color

CIELCh(18, 23.665, 350.269)

Conversions

Conversions Part 1

Format	Color
Hex	481D32
RGB	72, 29, 50
RGB Percent	28%, 11%, 20%
CMY	0.7163, 0.8850, 0.8027
CMYK	0.00, 0.59, 0.30, 0.72
HSL	331°, 42%, 20%
HSV	331°, 59%, 28%
XYZ	3.7276, 2.5180, 3.3421
YIQ	44.2510, 18.8870, 15.6470

Conversions

Conversions Part 2

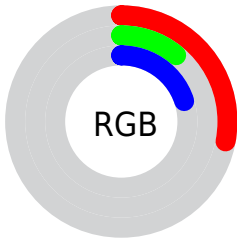
Format	Color
R_{YB}	72, 29, 50
Decimal	4726066
CIE _{Lab}	18.00, 23.32, -4.00
CIE _{LCh}	18, 23.665, 350.269
Yxy	2.5180, 0.3888, 0.2626
Android (android.graphics.Color)	4282916146 (0xFF481D32)
YUV	44.2510, 2.8343, 24.3359
Hunter-Lab	15.8683, 14.1612, -1.3796

Details

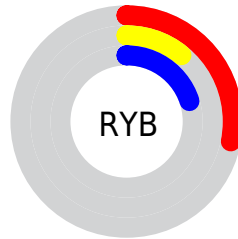
The CIELCh color **18, 23.665, 350.269** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 22.296, 158.559**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.441, 350.446**, and **2, 10.025, 17.100** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.026, 351.869**, and if you desaturate by 10%, it is **20, 19.921, 348.920**.

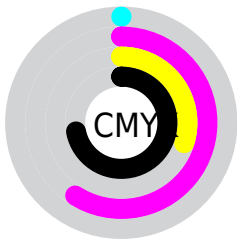
Distribution



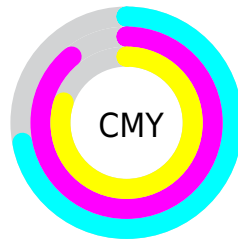
- Red (28%)
- Green (11%)
- Blue (20%)



- Red (28%)
- Yellow (11%)
- Blue (20%)



- Cyan (0%)
- Magenta (59%)
- Yellow (30%)
- Black (72%)





- Cyan (72%)
- Magenta (89%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.665, 350.269 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, 23.665, 350.269 by changing the saturation by 10% instead.

 18, 23.665,
350.269


 18, 23.665,
350.269


 100, 23.665,
350.269


 8, 23.665, 350.269


 38, 23.665,
350.269

 0, 23.665, 350.269

 48, 23.665,
350.269


 58, 23.665,
350.269


 68, 23.665,
350.269


 78, 23.665,
350.269


 88, 23.665,


350.269


 98, 23.665,
350.269


 18, 23.665,
350.269


 18, 23.665,
350.269


 16, 27.026,
351.869


 20, 19.921,
348.920

 15, 29.840,
353.802


 22, 15.952,
347.755

 14, 32.018,
356.127

 24, 11.879,
346.732

 13, 34.307,
358.289

 26, 7.792, 345.815

 13, 34.438,
358.392

 29, 3.753, 344.967

 31, 0.201, 165.259

■ 33, 4.047, 163.635

■ 36, 7.775, 162.977

■ 38, 11.383,
162.380

Harmonies

Complementary

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



18, 23.665, 350.269



27, 22.296, 158.559

Rectangle

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



18, 23.665, 350.269



18, 23.665, 40.269



18, 23.665, 170.269



18, 23.665, 220.269

Sweetspot

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



18, 23.664, 350.270



35, 8.969, 345.748



16, 30.848, 311.765



16, 6.294, 345.893



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, 23.664, 350.270



22, 33.957, 352.657



17, 22.821, 25.813



13, 2.180, 344.891



20, 42.618, 0.382



49, 77.414, 3.807

Inverse Universe

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



18, 23.664, 350.270



22, 33.957, 352.657



28, 15.430, 197.073



13, 2.180, 344.891



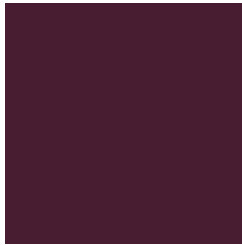
20, 42.618, 0.382



49, 77.414, 3.807

Previews

White Background



This preview shows how the CIE LCh color 18, 23.665, 350.269 looks on a white background.

Color Contrast Check

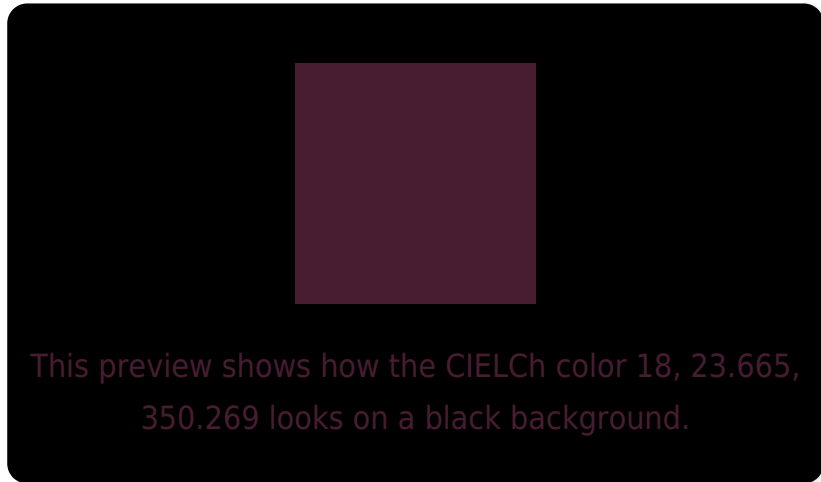
Large Text (above 18pt) WCAG AA ✓ Pass

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

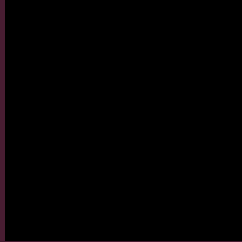
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.665, 350.269

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.665, 350.269.



This preview shows how white text looks on a background with the CIELCh color 18, 23.665, 350.269.

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, 23.665, 350.269

Protanopia

18, 11.101, 284.437

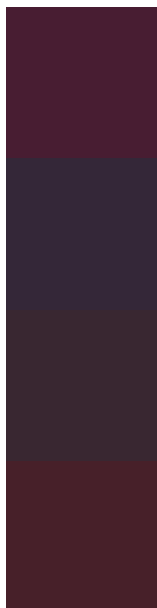
Deuteranopia

19, 3.346, 324.789



Tritanopia
18, 19.622, 20.831

Trichromacy



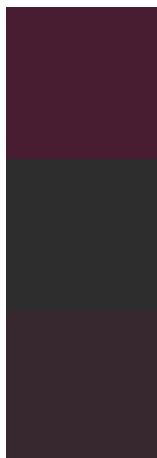
Original Color
18, 23.665, 350.269

Protanomaly
18, 13.129, 318.868

Deuteranomaly
18, 10.881, 343.084

Tritanomaly
18, 19.929, 7.632

Monochromacy



Original Color
18, 23.665, 350.269

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 9.382, 345.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.665, 350.269 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(72, 29, 50)` looks like.

```
.text, #text, p{  
    color:rgb(72, 29, 50)  
}
```

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(72, 29, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 29, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.665, 350.269 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(72, 29, 50) }
```

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

```
.border{ border-color:rgb(72, 29, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 29, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 29, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 29, 50);  
box-shadow:4px 4px 4px 4px rgb(72, 29, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.665, 350.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 29, 50) }
```

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

```
.background{ background-color: rgb(72, 29,  
50) }
```

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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