

Converting Colors

CIELCh(18, 24.890, 351.767)

Have a look what the booklet for
CIELCh(18, 24.890, 351.767)
contains.

CIELCh(18, 24.955, 351.332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 24.955, 351.332)

Conversions

Conversions Part 1

Format	Color
Hex	4A1C32
RGB	74, 28, 50
RGB Percent	29%, 11%, 20%
CMY	0.7097, 0.8901, 0.8039
CMYK	0.00, 0.62, 0.32, 0.71
HSL	331°, 45%, 20%
HSV	331°, 62%, 29%
XYZ	3.8168, 2.5180, 3.3040
YIQ	44.2620, 20.3540, 16.5940

Conversions

Conversions Part 2

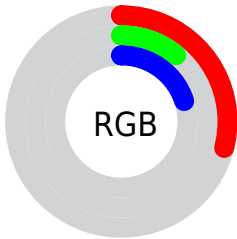
Format	Color
R_{YB}	74, 28, 50
Decimal	4856882
CIE _{Lab}	18.00, 24.67, -3.76
CIE _{LCh}	18, 24.955, 351.332
Yxy	2.5180, 0.3960, 0.2612
Android (android.graphics.Color)	4283046962 (0xFF4A1C32)
YUV	44.2620, 2.8288, 26.0802
Hunter-Lab	15.8683, 15.1654, -1.2371

Details

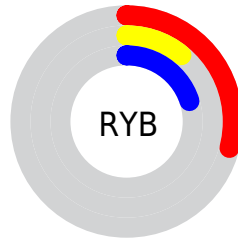
The CIELCh color **18, 24.955, 351.332** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 23.404, 158.684**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 25.126, 351.730**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.234, 353.063**, and if you desaturate by 10%, it is **20, 21.241, 349.885**.

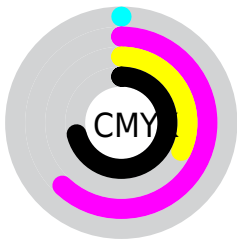
Distribution



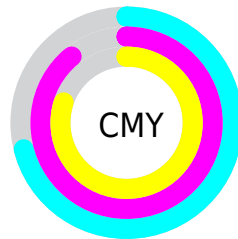
- Red (29%)
- Green (11%)
- Blue (20%)



- Red (29%)
- Yellow (11%)
- Blue (20%)



- Cyan (0%)
- Magenta (62%)
- Yellow (32%)
- Black (71%)





- Cyan (71%)
- Magenta (89%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.955, 351.332 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, 24.955, 351.332 by changing the saturation by 10% instead.

 18, 24.955,
351.332

 18, 24.955,
351.332


 100, 24.955,
351.332


 8, 24.955, 351.332


 38, 24.955,
351.332

 0, 24.955, 351.332

 48, 24.955,
351.332


 58, 24.955,
351.332


 68, 24.955,
351.332


 78, 24.955,
351.332


 88, 24.955,


351.332


 98, 24.955,
351.332


 18, 24.955,
351.332


 18, 24.955,
351.332


 16, 28.234,
353.063


 20, 21.241,
349.885

 15, 30.912,
355.171

 22, 17.261,
348.647

 14, 33.035,
357.622

 24, 13.146,
347.568

 13, 34.875,
359.362

 26, 8.998, 346.609

 29, 4.886, 345.735

 31, 0.856, 344.763

■ 33, 3.068, 164.357

■ 36, 6.872, 163.666

■ 38, 10.552,
163.051

Harmonies

Complementary

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



18, 24.955, 351.332



28, 23.404, 158.684

Rectangle

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



18, 24.955, 351.332



18, 24.955, 41.332



18, 24.955, 171.332



18, 24.955, 221.332

Sweetspot

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



18, 24.954, 351.333



35, 9.628, 346.392



16, 32.878, 312.390



16, 6.546, 346.524



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, 24.954, 351.333



22, 35.930, 354.229



17, 24.165, 27.368



14, 2.298, 345.443



20, 43.292, 1.387



49, 78.005, 4.784

Inverse Universe

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



18, 24.954, 351.333



22, 35.930, 354.229



28, 15.888, 198.847



14, 2.298, 345.443



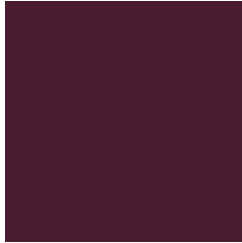
20, 43.292, 1.387



49, 78.005, 4.784

Previews

White Background



This preview shows how the CIELCh color 18, 24.955, 351.332 looks on a white background.

Color Contrast Check

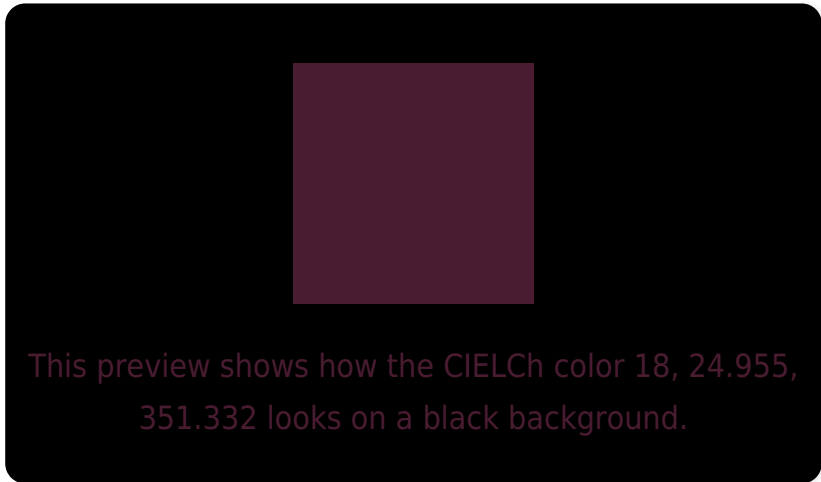
Large Text (above 18pt) WCAG AA ✓ Pass

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

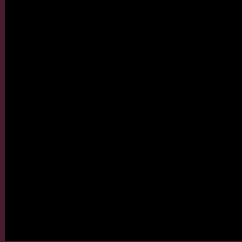
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.955, 351.332

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.955, 351.332.



This preview shows how white text looks on a background with the CIELCh color 18, 24.955, 351.332.

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, 24.955, 351.332

Protanopia

18, 11.778, 285.155

Deuteranopia

19, 3.346, 324.789



Tritanopia
18, 21.222, 21.664

Trichromacy



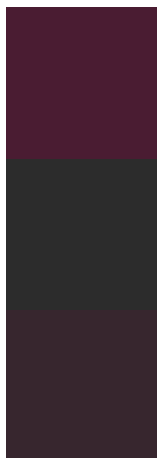
Original Color
18, 24.955, 351.332

Protanomaly
18, 14.557, 318.114

Deuteranomaly
18, 11.664, 342.018

Tritanomaly
18, 21.364, 9.451

Monochromacy



Original Color
18, 24.955, 351.332

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 9.802, 347.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.955, 351.332 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, 28, 50)` looks like.

```
.text, #text, p{  
    color:rgb(74, 28, 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(74, 28, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 28, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.955, 351.332 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, 28, 50) }
```

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

```
.border{ border-color:rgb(74, 28, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 28, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 28, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 28, 50);  
box-shadow:4px 4px 4px 4px rgb(74, 28, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.955, 351.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 28, 50) }
```

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

```
.background{ background-color: rgb(74, 28,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor