

Converting Colors

CIELCh(18, 22.170, 352.352)

Have a look what the booklet for
CIELCh(18, 22.170, 352.352)
contains.

CIELCh(18, 22.422, 351.560)	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, 22.422, 351.560)

Conversions

Conversions Part 1

Format	Color
Hex	471E31
RGB	71, 30, 49
RGB Percent	28%, 12%, 19%
CMY	0.7204, 0.8813, 0.8068
CMYK	0.00, 0.58, 0.31, 0.72
HSL	332°, 40%, 20%
HSV	332°, 58%, 28%
XYZ	3.6527, 2.5180, 3.2299
YIQ	44.4250, 18.3370, 14.6010

Conversions

Conversions Part 2

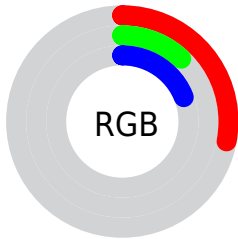
Format	Color
RYB	71, 30, 49
Decimal	4660785
CIELab	18.00, 22.18, -3.29
CIElCh	18, 22.422, 351.560
Yxy	2.5180, 0.3886, 0.2679
Android (android.graphics.Color)	4282850865 (0xFF471E31)
YUV	44.4250, 2.2555, 23.3063
Hunter-Lab	15.8683, 13.3188, -0.9602

Details

The CIELCh color **18, 22.422, 351.560** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 20.937, 160.159**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 22.190, 351.819**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **16, 25.825, 353.181**, and if you desaturate by 10%, it is **20, 18.690, 350.195**.

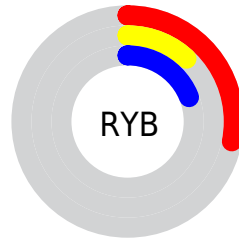
Distribution



Red (28%)

Green (12%)

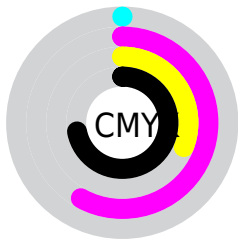
Blue (19%)



Red (28%)

Yellow (12%)

Blue (19%)

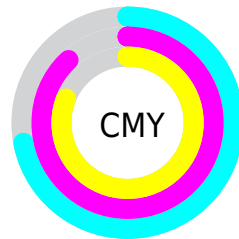


Cyan (0%)

Magenta (58%)

Yellow (31%)

Black (72%)



Cyan (72%)


Magenta (88%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 22.422, 351.560 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, 22.422, 351.560 by changing the saturation by 10% instead.

 18, 22.422,
351.560


 18, 22.422,
351.560


 100, 22.422,
351.560


 8, 22.422, 351.560


 38, 22.422,
351.560

 0, 22.422, 351.560

 48, 22.422,
351.560

 58, 22.422,
351.560


 68, 22.422,
351.560


 78, 22.422,
351.560


 88, 22.422,


351.560


 98, 22.422,
351.560


 18, 22.422,
351.560


 18, 22.422,
351.560


 16, 25.825,
353.181


 20, 18.690,
350.195

 15, 28.742,
355.140

 22, 14.775,
349.018

 14, 31.032,
357.534

 24, 10.788,
347.985

 13, 33.308,
359.860

 26, 6.810, 347.060

 12, 33.929, 0.374

 29, 2.893, 346.196

 31, 0.930, 165.733

■ 33, 4.641, 164.873

■ 36, 8.232, 164.221

■ 38, 11.704,
163.627

Harmonies

Complementary

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



18, 22.422, 351.560



27, 20.937, 160.159

Rectangle

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



18, 22.422, 351.560



18, 22.422, 41.560



18, 22.422, 171.560



18, 22.422, 221.560

Sweetspot

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



18, 22.421, 351.561



34, 8.143, 347.070



16, 29.549, 312.693



16, 5.371, 347.130



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 22.421, 351.561



22, 32.177, 353.937



18, 21.153, 27.462



13, 2.144, 346.288



20, 42.443, 2.604



49, 77.306, 6.240

Inverse Universe

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



18, 22.421, 351.561



22, 32.177, 353.937



27, 14.382, 200.793



13, 2.144, 346.288



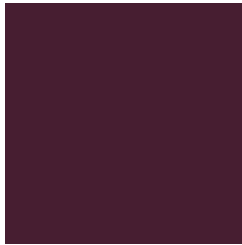
20, 42.443, 2.604



49, 77.306, 6.240

Previews

White Background



This preview shows how the CIE LCh color 18, 22.422, 351.560 looks on a white background.

Color Contrast Check

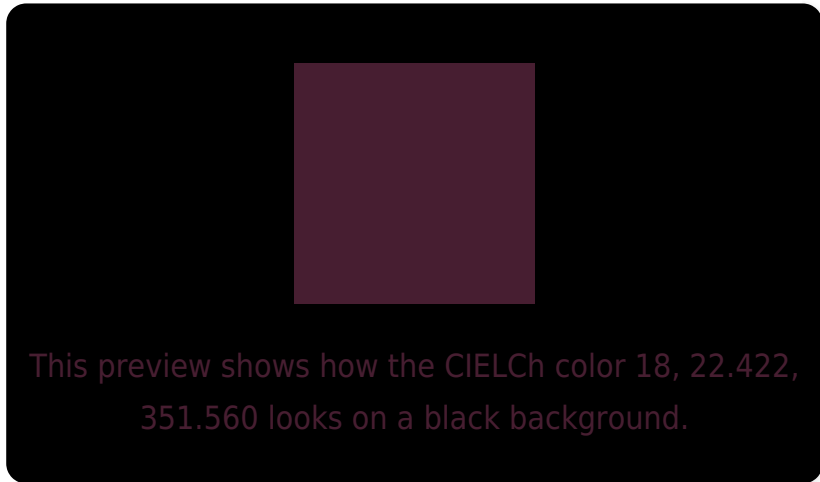
Large Text (above 18pt) WCAG AA ✓ Pass

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

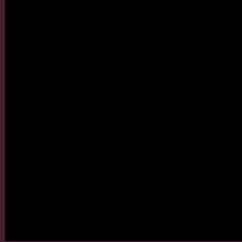
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 22.422, 351.560

Background



This preview shows how black text looks on a background with the CIELCh color 18, 22.422, 351.560.



This preview shows how white text looks on a background with the CIELCh color 18, 22.422, 351.560.

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, 22.422, 351.560

Protanopia

18, 10.380, 285.851

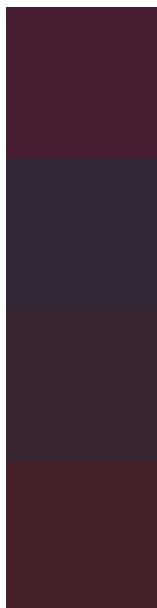
Deuteranopia

19, 2.809, 332.741



Tritanopia
18, 19.008, 18.568

Trichromacy



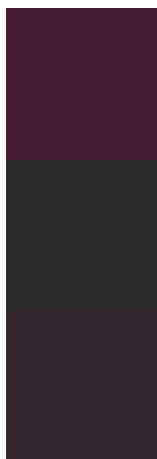
Original Color
18, 22.422, 351.560

Protanomaly
18, 12.530, 320.286

Deuteranomaly
18, 10.130, 344.367

Tritanomaly
18, 19.470, 7.028

Monochromacy



Original Color
18, 22.422, 351.560

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.609, 347.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 22.422, 351.560 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(71, 30, 49)` looks like.

```
.text, #text, p{  
    color:rgb(71, 30, 49)  
}
```

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(71, 30, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 30, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 22.422, 351.560 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(71, 30, 49) }
```

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

```
.border{ border-color:rgb(71, 30, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 30, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 30, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 30, 49);  
box-shadow:4px 4px 4px 4px rgb(71, 30, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 22.422, 351.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 30, 49) }
```

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

```
.background{ background-color: rgb(71, 30,  
49) }
```

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