

Converting Colors

CIELCh(18, 21.450, 7.777)

Have a look what the booklet for
CIELCh(18, 21.450, 7.777) contains.

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Color

CIELCh(18, 21.398, 7.641)

Conversions

Conversions Part 1

Format	Color
Hex	491F29
RGB	73, 31, 41
RGB Percent	29%, 12%, 16%
CMY	0.7154, 0.8799, 0.8406
CMYK	0.00, 0.58, 0.44, 0.72
HSL	346°, 41%, 20%
HSV	346°, 58%, 28%
XYZ	3.5900, 2.5180, 2.3616
YIQ	44.6980, 21.8220, 12.0140

Conversions

Conversions Part 2

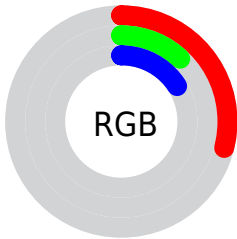
Format	Color
R_{YB}	73, 31, 41
Decimal	4792105
CIE _{Lab}	18.00, 21.21, 2.85
CIE _{LCh}	18, 21.398, 7.641
Yxy	2.5180, 0.4239, 0.2973
Android (android.graphics.Color)	4282982185 (0xFF491F29)
YUV	44.6980, -1.8231, 24.8209
Hunter-Lab	15.8683, 12.6134, 2.2841

Details

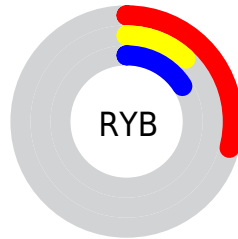
The CIELCh color **18, 21.398, 7.641** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 17.587, 174.935**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.363, 8.214**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **16, 25.034, 9.902**, and if you desaturate by 10%, it is **20, 17.599, 5.801**.

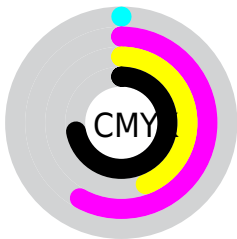
Distribution



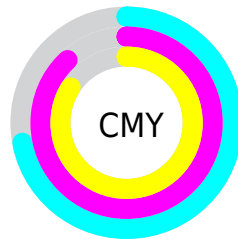
- Red (29%)
- Green (12%)
- Blue (16%)



- Red (29%)
- Yellow (12%)
- Blue (16%)



- Cyan (0%)
- Magenta (58%)
- Yellow (44%)
- Black (72%)



- Cyan (72%)
- Magenta (88%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.398, 7.641 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, 21.398, 7.641 by changing the saturation by 10% instead.

 18, 21.398, 7.641  18, 21.398, 7.641

 100, 21.398, 7.641  8, 21.398, 7.641

 38, 21.398, 7.641  0, 21.398, 7.641

 48, 21.398, 7.641

 58, 21.398, 7.641

 68, 21.398, 7.641

 78, 21.398, 7.641

 88, 21.398, 7.641

 98, 21.398, 7.641

 18, 21.398, 7.641  18, 21.398, 7.641

16, 25.034, 9.902

20, 17.599, 5.801

15, 28.382, 12.694

22, 13.756, 4.279

14, 31.341, 16.110

24, 9.955, 3.000

12, 34.344, 18.790

27, 6.252, 1.902

12, 35.021, 19.101

29, 2.683, 0.914

31, 0.736, 180.511

34, 4.000, 179.515

36, 7.113, 178.837

39, 10.083,
178.239

Harmonies

Complementary

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



18, 21.398, 7.641



28, 17.587, 174.935

Rectangle

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



18, 21.398, 7.641



18, 21.398, 57.641



18, 21.398, 187.641



18, 21.398, 237.641

Sweetspot

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



18, 21.397, 7.643



35, 7.418, 1.887



18, 30.788, 319.425



17, 5.012, 1.974



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, 21.397, 7.643



22, 31.554, 10.914



20, 18.712, 44.352



13, 1.893, 0.989



19, 44.352, 22.711



48, 83.558, 27.235

Inverse Universe

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



18, 21.397, 7.643



22, 31.554, 10.914



24, 12.885, 230.752



13, 1.893, 0.989



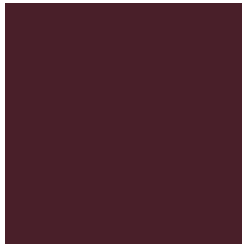
19, 44.352, 22.711



48, 83.558, 27.235

Previews

White Background



This preview shows how the CIELCh color 18, 21.398, 7.641 looks on a white background.

Color Contrast Check

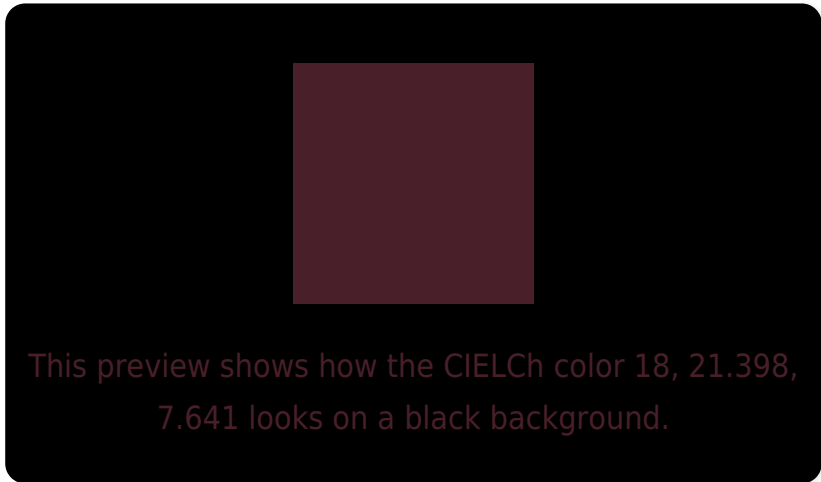
Large Text (above 18pt) WCAG AA ✓ Pass

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

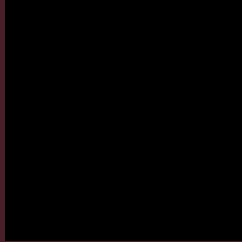
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.398, 7.641

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.398, 7.641.



This preview shows how white text looks on a background with the CIELCh color 18, 21.398, 7.641.

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, 21.398, 7.641

Protanopia

19, 2.065, 290.701

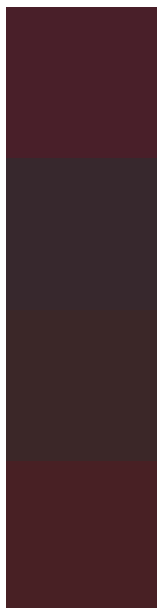
Deuteranopia

18, 4.879, 54.151



Tritanopia
18, 20.715, 21.432

Trichromacy



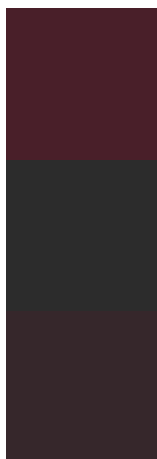
Original Color
18, 21.398, 7.641

Protanomaly
18, 8.012, 356.068

Deuteranomaly
18, 10.088, 17.984

Tritanomaly
18, 20.495, 17.711

Monochromacy



Original Color
18, 21.398, 7.641

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.820, 0.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.398, 7.641 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(73, 31, 41)` looks like.

```
.text, #text, p{  
    color:rgb(73, 31, 41)  
}
```

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(73, 31, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 31, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.398, 7.641 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(73, 31, 41) }
```

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

```
.border{ border-color:rgb(73, 31, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 31, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 31, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 31, 41);  
box-shadow:4px 4px 4px 4px rgb(73, 31, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.398, 7.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 31, 41) }
```

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

```
.background{ background-color: rgb(73, 31,  
41) }
```

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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