

Converting Colors

CIELCh(21, 19.324, 19.265)

Have a look what the booklet for
CIELCh(21, 19.324, 19.265) contains.

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Color

CIELCh(21, 19.610, 18.523)

Conversions

Conversions Part 1

Format	Color
Hex	4E272A
RGB	78, 39, 42
RGB Percent	31%, 15%, 16%
CMY	0.6939, 0.8468, 0.8351
CMYK	0.00, 0.50, 0.46, 0.69
HSL	355°, 33%, 23%
HSV	355°, 50%, 31%
XYZ	4.2939, 3.2451, 2.5960
YIQ	51.0030, 22.2810, 9.2010

Conversions

Conversions Part 2

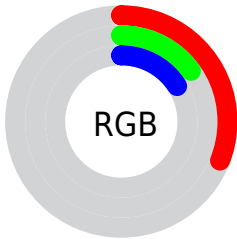
Format	Color
R_{YB}	78, 39, 42
Decimal	5121834
CIE Lab	21.00, 18.59, 6.23
CIE LCh	21, 19.610, 18.523
Yxy	3.2451, 0.4237, 0.3202
Android (android.graphics.Color)	4283311914 (0xFF4E272A)
YUV	51.0030, -4.4385, 23.6764
Hunter-Lab	18.0142, 11.0226, 4.0657

Details

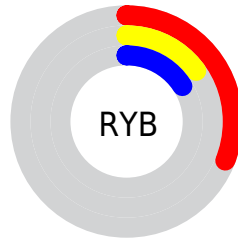
The CIELCh color **21, 19.610, 18.523** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 14.879, 189.775**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 19.642, 18.821**, and **3, 14.612, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 23.971, 20.523**, and if you desaturate by 10%, it is **23, 15.318, 16.927**.

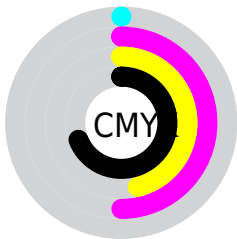
Distribution



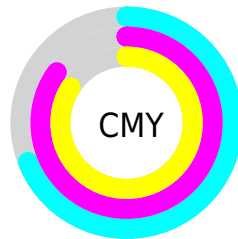
- Red (31%)
- Green (15%)
- Blue (16%)



- Red (31%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (46%)
- Black (69%)



- Cyan (69%)
- Magenta (85%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 19.610, 18.523 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 21, 19.610, 18.523 by changing the saturation by 10% instead.

■ 21, 19.610, 18.523

■ 21, 19.610, 18.523

■ 100, 19.610,
18.523

■ 11, 19.610, 18.523

■ 41, 19.610, 18.523

■ 1, 19.610, 18.523

■ 51, 19.610, 18.523

■ 0, 19.610, 18.523

■ 61, 19.610, 18.523

■ 71, 19.610, 18.523

■ 81, 19.610, 18.523

■ 91, 19.610, 18.523

■ 21, 19.610, 18.523

■ 21, 19.610, 18.523

19, 23.971, 20.523

23, 15.318, 16.927

17, 28.301, 23.012

26, 11.175, 15.637

16, 32.463, 26.023

28, 7.227, 14.580

15, 35.900, 28.169

31, 3.497, 13.681

13, 38.917, 28.544

33, 0.012, 216.232

13, 38.928, 28.544

36, 3.306, 192.523

38, 6.399, 191.966

41, 9.309, 191.506

44, 12.052,
191.109

Harmonies

Complementary

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



21, 19.610, 18.523



30, 14.879, 189.775

Rectangle

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



21, 19.610, 18.523



21, 19.610, 68.523



21, 19.610, 198.523



21, 19.610, 248.523

Sweetspot

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



21, 19.609, 18.526



38, 6.684, 14.170



22, 29.278, 324.326



18, 4.518, 14.270



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



21, 19.609, 18.526



26, 30.023, 21.039



25, 16.143, 61.209



14, 1.918, 13.566



19, 48.905, 32.875



48, 93.423, 37.495

Inverse Universe

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



21, 19.609, 18.526



26, 30.023, 21.039



25, 13.181, 253.477



14, 1.918, 13.566



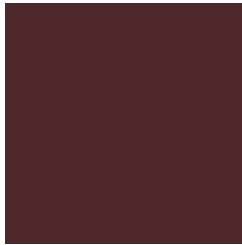
19, 48.905, 32.875



48, 93.423, 37.495

Previews

White Background



This preview shows how the CIE LCh color 21, 19.610, 18.523 looks on a white background.

Color Contrast Check

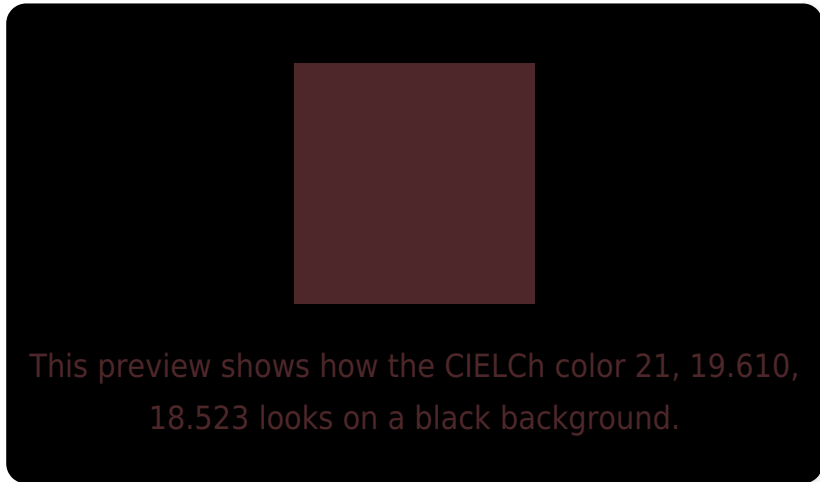
Large Text (above 18pt) WCAG AA ✓ Pass

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

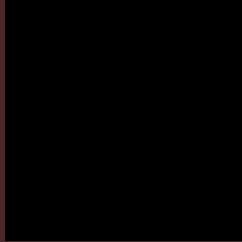
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 19.610, 18.523

Background



This preview shows how black text looks on a background with the CIELCh color 21, 19.610, 18.523.

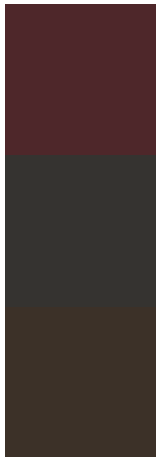


This preview shows how white text looks on a background with the CIELCh color 21, 19.610, 18.523.

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

21, 19.610, 18.523

Protanopia

21, 2.222, 84.366

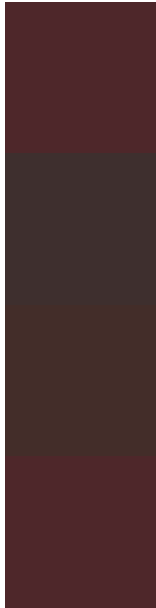
Deuteranopia

21, 8.288, 66.507



Tritanopia
21, 19.610, 18.523

Trichromacy



Original Color

21, 19.610, 18.523

Protanomaly

21, 7.406, 26.078

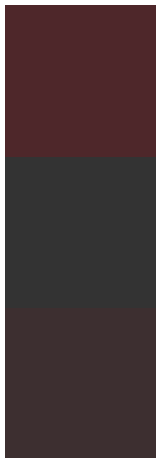
Deuteranomaly

21, 11.590, 34.912

Tritanomaly

21, 19.610, 18.523

Monochromacy



Original Color

21, 19.610, 18.523

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 6.805, 15.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 19.610, 18.523 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(78, 39, 42)` looks like.

```
.text, #text, p{  
    color:rgb(78, 39, 42)  
}
```

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(78, 39, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 39, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 19.610, 18.523 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(78, 39, 42) }
```

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

```
.border{ border-color:rgb(78, 39, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 39, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 39, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 39, 42);  
box-shadow:4px 4px 4px 4px rgb(78, 39, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 19.610, 18.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 39, 42) }
```

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

```
.background{ background-color: rgb(78, 39,  
42) }
```

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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