

Converting Colors

CIELCh(21, 24.100, 19.206)

Have a look what the booklet for
CIELCh(21, 24.100, 19.206) contains.

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Color

CIELCh(21, 23.665, 19.297)

Conversions

Conversions Part 1

Format	Color
Hex	532428
RGB	83, 36, 40
RGB Percent	33%, 14%, 16%
CMY	0.6748, 0.8591, 0.8434
CMYK	0.00, 0.57, 0.52, 0.67
HSL	355°, 40%, 23%
HSV	355°, 57%, 33%
XYZ	4.5703, 3.2451, 2.3867
YIQ	50.5090, 26.7280, 11.2080

Conversions

Conversions Part 2

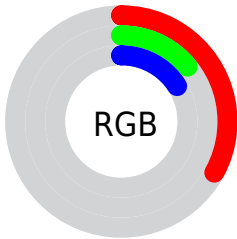
Format	Color
RYB	83, 36, 40
Decimal	5448744
CIELab	21.00, 22.34, 7.82
CIELCh	21, 23.665, 19.297
Yxy	3.2451, 0.4480, 0.3181
Android (android.graphics.Color)	4283638824 (0xFF532428)
YUV	50.5090, -5.1809, 28.4946
Hunter-Lab	18.0142, 13.7610, 4.7546

Details

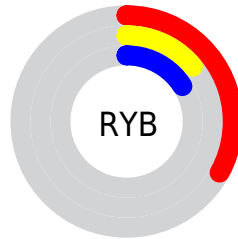
The CIELCh color **21, 23.665, 19.297** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 17.277, 188.474**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 23.809, 18.750**, and **4, 17.706, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 28.204, 21.675**, and if you desaturate by 10%, it is **23, 19.112, 17.400**.

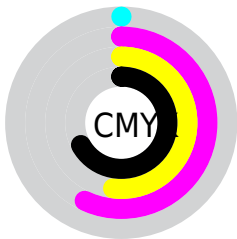
Distribution



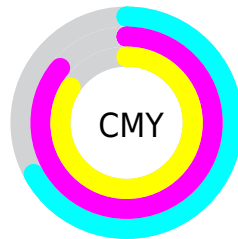
- Red (33%)
- Green (14%)
- Blue (16%)



- Red (33%)
- Yellow (14%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (52%)
- Black (67%)



- Cyan (67%)
- Magenta (86%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 23.665, 19.297 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, 23.665, 19.297 by changing the saturation by 10% instead.

■ 21, 23.665, 19.297

■ 21, 23.665, 19.297

■ 100, 23.665,
19.297

■ 11, 23.665, 19.297

■ 41, 23.665, 19.297

■ 1, 23.665, 19.297

■ 51, 23.665, 19.297

■ 0, 23.665, 19.297

■ 61, 23.665, 19.297

■ 71, 23.665, 19.297

■ 81, 23.665, 19.297

■ 91, 23.665, 19.297

■ 21, 23.665, 19.297

■ 21, 23.665, 19.297

19, 28.204, 21.675

23, 19.112, 17.400

17, 32.606, 24.613

26, 14.654, 15.876

16, 36.614, 27.769

28, 10.365, 14.642

15, 39.845, 29.219

31, 6.288, 13.622

15, 40.876, 29.324

33, 2.439, 12.722

36, 1.179, 192.386

39, 4.577, 191.616

42, 7.770, 191.082

45, 10.776,
190.629

Harmonies

Complementary

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



21, 23.665, 19.297



32, 17.277, 188.474

Rectangle

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



21, 23.665, 19.297



21, 23.665, 69.297



21, 23.665, 199.297



21, 23.665, 249.297

Sweetspot

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



21, 23.664, 19.300



40, 7.944, 13.708



22, 34.428, 324.066



19, 5.267, 13.799



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



21, 23.664, 19.300



25, 35.641, 22.672



26, 19.641, 58.898



15, 2.030, 12.906



20, 49.764, 32.844



49, 93.822, 37.168

Inverse Universe

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



21, 23.664, 19.300



25, 35.641, 22.672



26, 15.249, 252.975



15, 2.030, 12.906



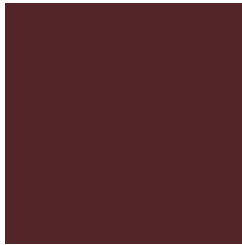
20, 49.764, 32.844



49, 93.822, 37.168

Previews

White Background



This preview shows how the CIE LCh color 21, 23.665, 19.297 looks on a white background.

Color Contrast Check

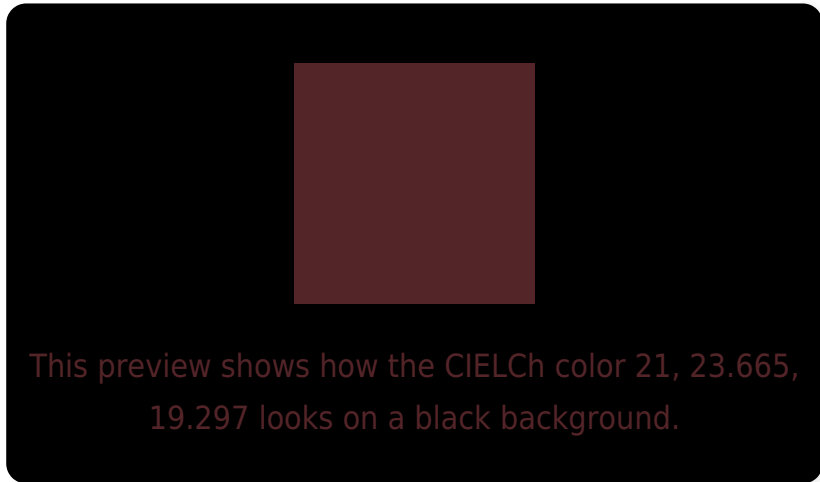
Large Text (above 18pt) WCAG AA ✓ Pass

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

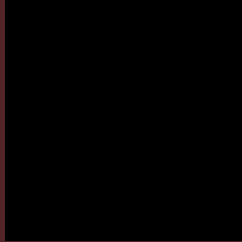
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 23.665, 19.297

Background



This preview shows how black text looks on a background with the CIELCh color 21, 23.665, 19.297.



This preview shows how white text looks on a background with the CIELCh color 21, 23.665, 19.297.

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, 23.665, 19.297

Protanopia

21, 2.847, 89.909

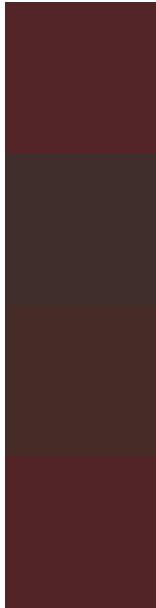
Deuteranopia

21, 9.701, 69.081



Tritanopia
21, 23.784, 20.875

Trichromacy



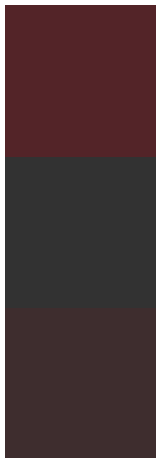
Original Color
21, 23.665, 19.297

Protanomaly
21, 9.098, 29.664

Deuteranomaly
21, 13.428, 36.298

Tritanomaly
21, 23.784, 20.875

Monochromacy



Original Color
21, 23.665, 19.297

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 8.351, 16.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 23.665, 19.297 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(83, 36, 40)` looks like.

```
.text, #text, p{  
    color:rgb(83, 36, 40)  
}
```

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(83, 36, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 36, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 23.665, 19.297 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(83, 36, 40) }
```

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

```
.border{ border-color:rgb(83, 36, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 36, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 36, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 36, 40);  
box-shadow:4px 4px 4px 4px rgb(83, 36, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 23.665, 19.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 36, 40) }
```

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

```
.background{ background-color: rgb(83, 36,  
40) }
```

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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