

Converting Colors

CIELCh(21, 25.261, 17.083)

Have a look what the booklet for
CIELCh(21, 25.261, 17.083) contains.

CIELCh(21, 25.447, 16.168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(21, 25.447, 16.168)

Conversions

Conversions Part 1

Format	Color
Hex	552229
RGB	85, 34, 41
RGB Percent	33%, 13%, 16%
CMY	0.6663, 0.8663, 0.8389
CMYK	0.00, 0.60, 0.52, 0.67
HSL	352°, 43%, 23%
HSV	352°, 60%, 33%
XYZ	4.7308, 3.2451, 2.4819
YIQ	50.0470, 28.1490, 12.9890

Conversions

Conversions Part 2

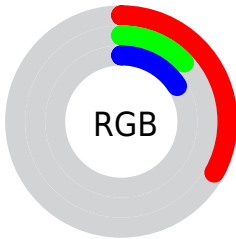
Format	Color
RYB	85, 34, 41
Decimal	5579305
CIELab	21.00, 24.44, 7.09
CIELCh	21, 25.447, 16.168
Yxy	3.2451, 0.4524, 0.3103
Android (android.graphics.Color)	4283769385 (0xFF552229)
YUV	50.0470, -4.4602, 30.6538
Hunter-Lab	18.0142, 15.3523, 4.4413

Details

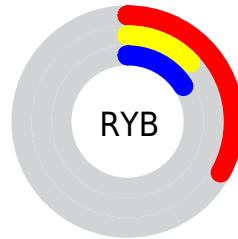
The CIELCh color **21, 25.447, 16.168** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 19.005, 183.251**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 25.110, 16.544**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **19, 29.835, 18.772**, and if you desaturate by 10%, it is **23, 20.938, 14.081**.

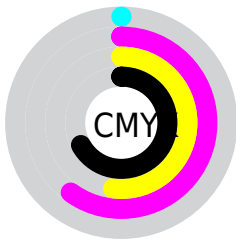
Distribution



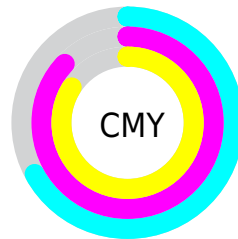
- Red (33%)
- Green (13%)
- Blue (16%)



- Red (33%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (60%)
- Yellow (52%)
- Black (67%)



- Cyan (67%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 25.447, 16.168 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, 25.447, 16.168 by changing the saturation by 10% instead.

■ 21, 25.447, 16.168

■ 21, 25.447, 16.168

■ 100, 25.447,
16.168

■ 11, 25.447, 16.168

■ 41, 25.447, 16.168

■ 1, 25.447, 16.168

■ 51, 25.447, 16.168

■ 0, 25.447, 16.168

■ 61, 25.447, 16.168

■ 71, 25.447, 16.168

■ 81, 25.447, 16.168

■ 91, 25.447, 16.168

■ 21, 25.447, 16.168

■ 21, 25.447, 16.168

19, 29.835, 18.772

23, 20.938, 14.081

18, 33.971, 21.985

26, 16.439, 12.396

16, 37.713, 25.686

28, 12.044, 11.020

15, 41.051, 27.542

31, 7.817, 9.877

15, 41.069, 27.545

33, 3.792, 8.892

36, 0.020, 202.653

39, 3.618, 187.549

42, 7.015, 186.906

45, 10.224,
186.360

Harmonies

Complementary

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



21, 25.447, 16.168



33, 19.005, 183.251

Rectangle

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



21, 25.447, 16.168



21, 25.447, 66.168



21, 25.447, 196.168



21, 25.447, 246.168

Sweetspot

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



21, 25.446, 16.171



40, 8.666, 9.737



22, 36.708, 322.626



19, 6.102, 9.936



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



21, 25.446, 16.171



25, 37.839, 20.110



25, 21.610, 53.718



16, 2.160, 8.784



21, 49.597, 30.658



49, 91.734, 34.540

Inverse Universe

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



21, 25.446, 16.171



25, 37.839, 20.110



27, 15.649, 246.757



16, 2.160, 8.784



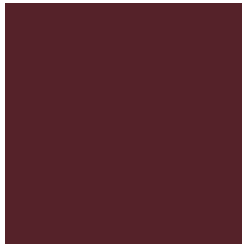
21, 49.597, 30.658



49, 91.734, 34.540

Previews

White Background



This preview shows how the CIELCh color 21, 25.447, 16.168 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



This preview shows how the CIE LCh color 21, 25.447, 16.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

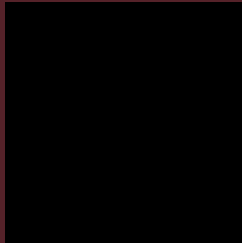
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 25.447, 16.168

Background



This preview shows how black text looks on a background with the CIELCh color 21, 25.447, 16.168.



This preview shows how white text looks on a background with the CIELCh color 21, 25.447, 16.168.

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, 25.447, 16.168

Protanopia

21, 1.148, 55.153

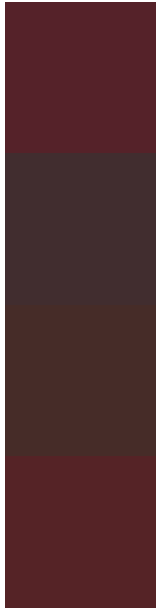
Deuteranopia

21, 9.168, 66.719



Tritanopia
21, 25.488, 23.129

Trichromacy



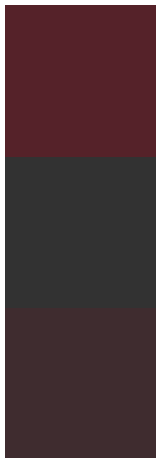
Original Color
21, 25.447, 16.168

Protanomaly
21, 9.852, 13.827

Deuteranomaly
21, 13.689, 33.314

Tritanomaly
21, 25.334, 21.673

Monochromacy



Original Color
21, 25.447, 16.168

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 9.444, 9.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 25.447, 16.168 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(85, 34, 41)` looks like.

```
.text, #text, p{  
    color:rgb(85, 34, 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(85, 34, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 34, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 25.447, 16.168 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(85, 34, 41) }
```

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

```
.border{ border-color:rgb(85, 34, 41) }
```

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

Here you see how a box with a 4 pixel rgb(85, 34, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 34, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 34, 41);  
box-shadow:4px 4px 4px 4px rgb(85, 34, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 25.447, 16.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 34, 41) }
```

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

```
.background{ background-color: rgb(85, 34,  
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](#).

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