

Converting Colors

CIELCh(21, 25.062, 10.711)

Have a look what the booklet for
CIELCh(21, 25.062, 10.711) contains.

CIELCh(21, 25.305, 10.171)	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, 25.305, 10.171)

Conversions

Conversions Part 1

Format	Color
Hex	55222D
RGB	85, 34, 45
RGB Percent	33%, 13%, 18%
CMY	0.6674, 0.8673, 0.8242
CMYK	0.00, 0.60, 0.47, 0.67
HSL	347°, 43%, 23%
HSV	347°, 60%, 33%
XYZ	4.7670, 3.2451, 2.8417
YIQ	50.5030, 26.8650, 14.2330

Conversions

Conversions Part 2

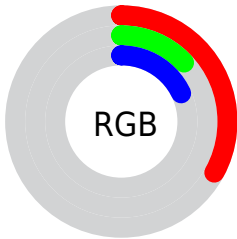
Format	Color
R_{YB}	85, 34, 45
Decimal	5579309
CIE _{Lab}	21.00, 24.91, 4.47
CIE _{LCh}	21, 25.305, 10.171
Yxy	3.2451, 0.4392, 0.2990
Android (android.graphics.Color)	4283769389 (0xFF55222D)
YUV	50.5030, -2.7130, 30.2539
Hunter-Lab	18.0142, 15.7101, 3.2572

Details

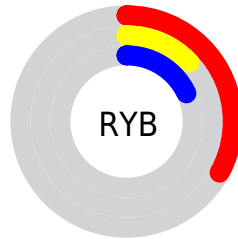
The CIELCh color **21, 25.305, 10.171** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 20.172, 176.339**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 25.077, 11.104**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **19, 29.400, 12.721**, and if you desaturate by 10%, it is **23, 20.992, 8.117**.

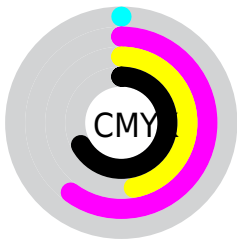
Distribution



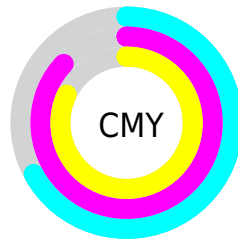
- Red (33%)
- Green (13%)
- Blue (18%)



- Red (33%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (47%)
- Black (67%)



- Cyan (67%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 25.305, 10.171 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, 25.305, 10.171 by changing the saturation by 10% instead.

■ 21, 25.305, 10.171

■ 21, 25.305, 10.171

■ 100, 25.305,
10.171

■ 11, 25.305, 10.171

■ 41, 25.305, 10.171

■ 1, 25.305, 10.171

■ 51, 25.305, 10.171

■ 0, 25.305, 10.171

■ 61, 25.305, 10.171

■ 71, 25.305, 10.171

■ 81, 25.305, 10.171

■ 91, 25.305, 10.171

■ 21, 25.305, 10.171

■ 21, 25.305, 10.171

19, 29.400, 12.721

23, 20.992, 8.117

18, 33.135, 15.882

26, 16.605, 6.440

16, 36.420, 19.723

28, 12.255, 5.051

15, 39.749, 22.935

31, 8.019, 3.876

33, 3.940, 2.848

36, 0.043, 355.670

39, 3.669, 181.375

42, 7.198, 180.668

44, 10.554,
180.055

Harmonies

Complementary

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



21, 25.305, 10.171



32, 20.172, 176.339

Rectangle

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



21, 25.305, 10.171



21, 25.305, 60.171



21, 25.305, 190.171



21, 25.305, 240.171

Sweetspot

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



21, 25.303, 10.173



40, 8.845, 3.713



21, 36.405, 320.560



19, 6.222, 3.920



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, 25.303, 10.173



25, 37.153, 13.994



24, 22.095, 47.416



16, 2.215, 2.719



21, 47.458, 25.130



49, 87.024, 29.152

Inverse Universe

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



21, 25.303, 10.173



25, 37.153, 13.994



28, 15.095, 236.623



16, 2.215, 2.719



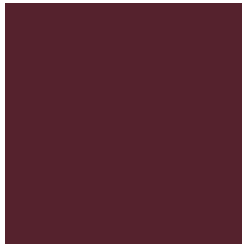
21, 47.458, 25.130



49, 87.024, 29.152

Previews

White Background



This preview shows how the CIE LCh color 21, 25.305, 10.171 looks on a white background.

Color Contrast Check

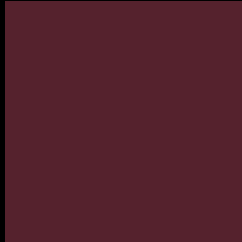
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.305, 10.171 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, 25.305, 10.171

Background



This preview shows how black text looks on a background with the CIELCh color 21, 25.305, 10.171.



This preview shows how white text looks on a background with the CIELCh color 21, 25.305, 10.171.

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, 25.305, 10.171

Protanopia

21, 2.083, 303.292

Deuteranopia

21, 7.296, 60.015



Tritanopia
21, 24.994, 22.942

Trichromacy



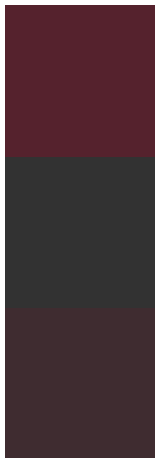
Original Color
21, 25.305, 10.171

Protanomaly
21, 9.867, 357.626

Deuteranomaly
21, 13.061, 22.342

Tritanomaly
21, 24.602, 18.423

Monochromacy



Original Color
21, 25.305, 10.171

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 9.548, 5.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 25.305, 10.171 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(85, 34, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 34, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 25.305, 10.171 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, 45) }
```

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

```
.border{ border-color:rgb(85, 34, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 34, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 34, 45);  
box-shadow:4px 4px 4px 4px rgb(85, 34, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 25.305, 10.171 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, 45) }
```

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

```
.background{ background-color: rgb(85, 34,  
45) }
```

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