

Converting Colors

CIELCh(25, 19.497, 41.739)

Have a look what the booklet for
CIELCh(25, 19.497, 41.739) contains.

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Color

CIELCh(25, 19.574, 41.755)

Conversions

Conversions Part 1

Format	Color
Hex	553228
RGB	85, 50, 40
RGB Percent	33%, 20%, 16%
CMY	0.6652, 0.8026, 0.8419
CMYK	0.00, 0.41, 0.53, 0.67
HSL	13°, 36%, 25%
HSV	13°, 53%, 33%
XYZ	5.3254, 4.4155, 2.6084
YIQ	59.3250, 24.0700, 4.3100

Conversions

Conversions Part 2

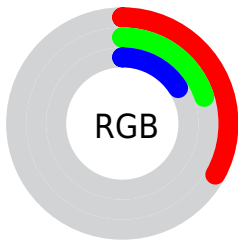
Format	Color
R_YB	85, 53, 40
Decimal	5583400
CIE _{Lab}	25.00, 14.60, 13.04
CIE _{LCh}	25, 19.574, 41.755
Yxy	4.4155, 0.4312, 0.3576
Android (android.graphics.Color)	4283773480 (0xFF553228)
YUV	59.3250, -9.5272, 22.5170
Hunter-Lab	21.0130, 8.4650, 7.3494

Details

The CIELCh color **25, 19.574, 41.755** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 13.711, 225.997**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 19.727, 42.358**, and **5, 17.204, 26.176** is the 20% darker color. If you saturate the color by 10%, you get **23, 24.123, 42.139**, and if you desaturate by 10%, it is **27, 15.284, 41.550**.

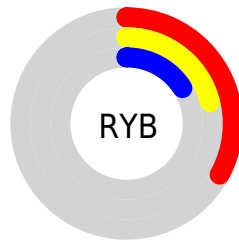
Distribution



Red (33%)

Green (20%)

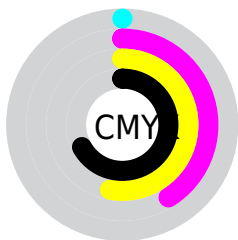
Blue (16%)



Red (33%)

Yellow (21%)

Blue (16%)

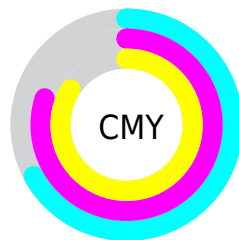


Cyan (0%)

Magenta (41%)

Yellow (53%)

Black (67%)



Cyan (67%)


Magenta (80%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 19.574, 41.755 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 25, 19.574, 41.755 by changing the saturation by 10% instead.

 25, 19.574, 41.755  25, 19.574, 41.755

 100, 19.574,
41.755  15, 19.574, 41.755

 45, 19.574, 41.755  5, 19.574, 41.755

 55, 19.574, 41.755  0, 19.574, 41.755

 65, 19.574, 41.755

 75, 19.574, 41.755

 85, 19.574, 41.755

 95, 19.574, 41.755

 25, 19.574, 41.755  25, 19.574, 41.755

■ 23, 24.123, 42.139

■ 27, 15.284, 41.550

■ 21, 28.879, 42.688

■ 29, 11.274, 41.490

■ 20, 33.591, 43.113

■ 31, 7.542, 41.551

■ 18, 37.327, 42.264

■ 33, 4.074, 41.693

■ 18, 39.786, 41.919

■ 36, 0.851, 41.676

■ 38, 2.149, 222.466

■ 40, 4.948, 222.746

■ 43, 7.568, 223.113

■ 45, 10.029,
223.510

Harmonies

Complementary

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



25, 19.574, 41.755



30, 13.711, 225.997

Rectangle

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



25, 19.574, 41.755



25, 19.574, 91.755



25, 19.574, 221.755



25, 19.574, 271.755

Sweetspot

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



25, 19.573, 41.759



43, 6.486, 41.633



24, 29.108, 334.410



21, 4.350, 41.617



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



25, 19.573, 41.759



31, 30.579, 42.257



31, 21.251, 88.717



16, 1.781, 41.752



23, 49.190, 43.587



52, 92.752, 43.834

Inverse Universe

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



30, 13.711, 225.997



38, 19.298, 227.975



23, 21.808, 283.378



17, 1.697, 222.513



32, 23.357, 238.067



69, 41.955, 241.126

Previews

White Background



This preview shows how the CIE LCh color 25, 19.574, 41.755 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 CIELCh color 25, 19.574, 41.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

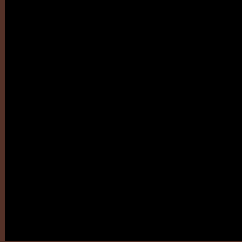
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 19.574, 41.755

Background



This preview shows how black text looks on a background with the CIELCh color 25, 19.574, 41.755.

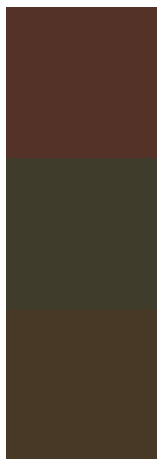


This preview shows how white text looks on a background with the CIELCh color 25, 19.574, 41.755.

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

25, 19.574, 41.755

Protanopia

25, 10.623, 97.220

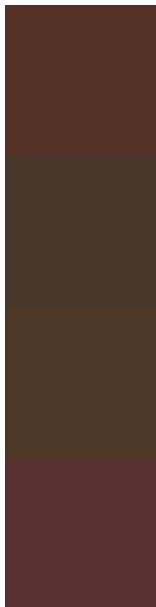
Deuteranopia

25, 14.215, 74.844



Tritanopia
25, 18.025, 17.151

Trichromacy



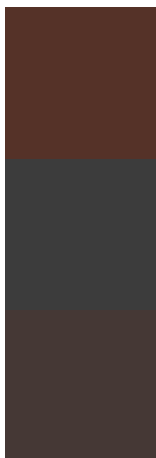
Original Color
25, 19.574, 41.755

Protanomaly
25, 11.895, 65.517

Deuteranomaly
25, 15.737, 61.730

Tritanomaly
25, 18.427, 25.192

Monochromacy



Original Color
25, 19.574, 41.755

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 6.554, 37.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 19.574, 41.755 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, 50, 40)` looks like.

```
.text, #text, p{  
    color:rgb(85, 50, 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(85, 50, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 50, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 19.574, 41.755 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, 50, 40) }
```

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

```
.border{ border-color:rgb(85, 50, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 50, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 50, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 50, 40);  
box-shadow:4px 4px 4px 4px rgb(85, 50, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 19.574, 41.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 50, 40) }
```

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

```
.background{ background-color: rgb(85, 50,  
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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