

Converting Colors

CIELCh(25, 17.815, 50.846)

Have a look what the booklet for
CIELCh(25, 17.815, 50.846) contains.

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Color

CIELCh(25, 17.641, 50.079)

Conversions

Conversions Part 1

Format	Color
Hex	513427
RGB	81, 52, 39
RGB Percent	32%, 20%, 15%
CMY	0.6804, 0.7944, 0.8454
CMYK	0.00, 0.36, 0.52, 0.68
HSL	19°, 35%, 24%
HSV	19°, 52%, 32%
XYZ	5.0561, 4.4155, 2.5419
YIQ	59.1890, 21.4570, 2.1050

Conversions

Conversions Part 2

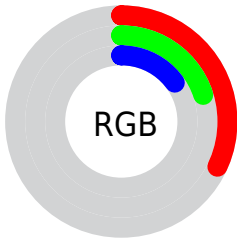
Format	Color
RYB	81, 58, 39
Decimal	5321767
CIELab	25.00, 11.32, 13.53
CIElCh	25, 17.641, 50.079
Yxy	4.4155, 0.4209, 0.3675
Android (android.graphics.Color)	4283511847 (0xFF513427)
YUV	59.1890, -9.9532, 19.1282
Hunter-Lab	21.0130, 6.1771, 7.5370

Details

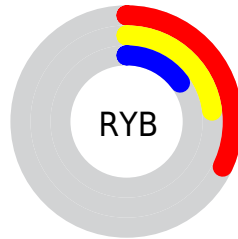
The CIELCh color **25, 17.641, 50.079** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 13.084, 238.819**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 17.649, 50.889**, and **5, 13.483, 33.245** is the 20% darker color. If you saturate the color by 10%, you get **23, 21.781, 49.820**, and if you desaturate by 10%, it is **27, 13.735, 50.441**.

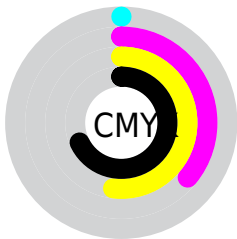
Distribution



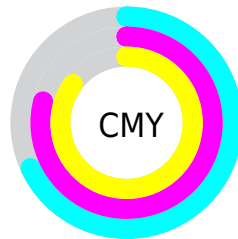
- Red (32%)
- Green (20%)
- Blue (15%)



- Red (32%)
- Yellow (23%)
- Blue (15%)



- Cyan (0%)
- Magenta (36%)
- Yellow (52%)
- Black (68%)



- Cyan (68%)
- Magenta (79%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 17.641, 50.079 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, 17.641, 50.079 by changing the saturation by 10% instead.

 25, 17.641, 50.079	 25, 17.641, 50.079
 100, 17.641, 50.079	 15, 17.641, 50.079
 45, 17.641, 50.079	 5, 17.641, 50.079
 55, 17.641, 50.079	 0, 17.641, 50.079
 65, 17.641, 50.079	
 75, 17.641, 50.079	
 85, 17.641, 50.079	
 95, 17.641, 50.079	
 25, 17.641, 50.079	 25, 17.641, 50.079

■ 23, 21.781, 49.820

■ 27, 13.735, 50.441

■ 22, 26.117, 49.639

■ 29, 10.075, 50.883

■ 20, 30.466, 49.347

■ 30, 6.654, 51.393

■ 19, 33.943, 47.873

■ 32, 3.457, 51.937

■ 18, 36.635, 46.844

■ 34, 0.466, 52.073

■ 36, 2.339, 233.402

■ 38, 4.976, 234.014

■ 40, 7.465, 234.676

■ 42, 9.822, 235.347

Harmonies

Complementary

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



25, 17.641, 50.079



27, 13.084, 238.819

Rectangle

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



25, 17.641, 50.079



25, 17.641, 100.079



25, 17.641, 230.079



25, 17.641, 280.079

Sweetspot

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



25, 17.640, 50.084



42, 5.665, 51.723



23, 25.987, 337.906



20, 3.835, 51.659



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



25, 17.640, 50.084



31, 27.701, 49.766



31, 21.409, 94.817



15, 1.647, 52.088



24, 46.416, 48.200



54, 88.065, 47.400

Inverse Universe

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



27, 13.084, 238.819



35, 18.800, 241.589



21, 22.848, 288.068



16, 1.582, 233.460



29, 25.175, 254.917



63, 46.653, 258.689

Previews

White Background



This preview shows how the CIE LCh color 25, 17.641, 50.079 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, 17.641, 50.079 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, 17.641, 50.079

Background



This preview shows how black text looks on a background with the CIELCh color 25, 17.641, 50.079.

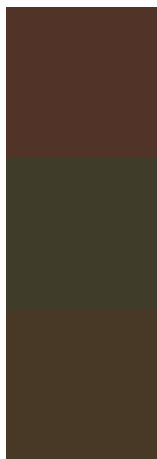


This preview shows how white text looks on a background with the CIELCh color 25, 17.641, 50.079.

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, 17.641, 50.079

Protanopia

25, 11.894, 98.019

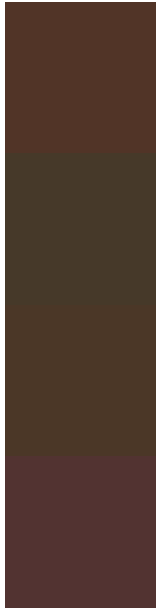
Deuteranopia

25, 14.215, 74.844



Tritanopia
25, 16.012, 13.559

Trichromacy



Original Color

25, 17.641, 50.079

Protanomaly

25, 12.497, 76.008

Deuteranomaly

25, 14.956, 64.318

Tritanomaly

25, 15.448, 27.223

Monochromacy



Original Color

25, 17.641, 50.079

Achromatopsia

25, 0.004, 296.813

Achromatomaly

25, 5.900, 46.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 17.641, 50.079 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(81, 52, 39)` looks like.

```
.text, #text, p{  
    color:rgb(81, 52, 39)  
}
```

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(81, 52, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 52, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 17.641, 50.079 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(81, 52, 39) }
```

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

```
.border{ border-color:rgb(81, 52, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 52, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 52, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 52, 39);  
box-shadow:4px 4px 4px 4px rgb(81, 52, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 17.641, 50.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 52, 39) }
```

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

```
.background{ background-color: rgb(81, 52,  
39) }
```

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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