

Converting Colors

CIELCh(25, 14.196, 1.249)

Have a look what the booklet for
CIELCh(25, 14.196, 1.249) contains.

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Color

CIELCh(25, 14.435, 1.420)

Conversions

Conversions Part 1

Format	Color
Hex	50333B
RGB	80, 51, 59
RGB Percent	31%, 20%, 23%
CMY	0.6855, 0.7993, 0.7679
CMYK	0.00, 0.36, 0.26, 0.69
HSL	343°, 22%, 26%
HSV	343°, 36%, 31%
XYZ	5.3111, 4.4155, 4.7351
YIQ	60.5830, 14.7160, 8.6360

Conversions

Conversions Part 2

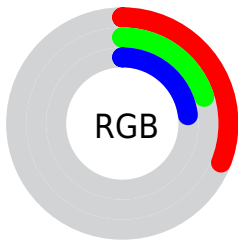
Format	Color
R_{YB}	80, 51, 59
Decimal	5255995
CIE Lab	25.00, 14.43, 0.36
CIE LCh	25, 14.435, 1.420
Yxy	4.4155, 0.3673, 0.3053
Android (android.graphics.Color)	4283446075 (0xFF50333B)
YUV	60.5830, -0.7804, 17.0287
Hunter-Lab	21.0130, 8.3434, 1.3487




Details

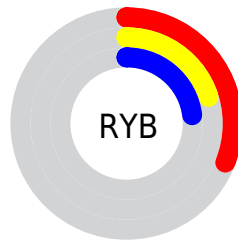
The CIELCh color **25, 14.435, 1.420** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 12.972, 174.412**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **45, 14.279, 2.017**, and **5, 14.060, 2.623** is the 20% darker color. If you saturate the color by 10%, you get **23, 18.603, 2.909**, and if you desaturate by 10%, it is **27, 10.293, 0.166**.

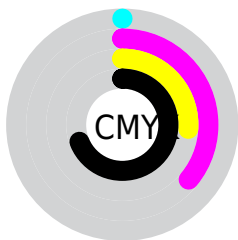
Distribution







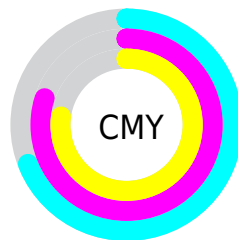
-  Red (31%)
-  Green (20%)
-  Blue (23%)






-  Red (31%)
-  Yellow (20%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (36%)
-  Yellow (26%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (80%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 14.435, 1.420 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, 14.435, 1.420 by changing the saturation by 10% instead.

■ 25, 14.435, 1.420 ■ 25, 14.435, 1.420

■ 100, 14.435, 1.420 ■ 15, 14.435, 1.420

■ 45, 14.435, 1.420 ■ 5, 14.435, 1.420

■ 55, 14.435, 1.420 ■ 0, 14.435, 1.420

■ 65, 14.435, 1.420

■ 75, 14.435, 1.420

■ 85, 14.435, 1.420

■ 95, 14.435, 1.420

■ 25, 14.435, 1.420 ■ 25, 14.435, 1.420

■ 23, 18.603, 2.909 ■ 27, 10.293, 0.166

21, 22.701, 4.699

30, 6.249, 359.080

19, 26.596, 6.892

33, 2.340, 358.080

17, 30.135, 9.605

35, 1.414, 177.544

16, 33.185, 12.967

38, 5.006, 176.683

15, 36.067, 16.533

40, 8.439, 176.002

14, 37.287, 17.715

43, 11.721,
175.394

46, 14.862,
174.842

48, 17.872,
174.336

Harmonies

Complementary

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



25, 14.435, 1.420



32, 12.972, 174.412

Rectangle

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



25, 14.435, 1.420



25, 14.435, 51.420



25, 14.435, 181.420



25, 14.435, 231.420

Sweetspot

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



25, 14.434, 1.423



41, 5.242, 358.601



25, 20.953, 317.665



20, 3.555, 358.671



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, 14.434, 1.423



31, 21.543, 2.647



27, 11.992, 40.924



15, 2.158, 358.340



20, 45.259, 19.937



49, 83.144, 24.187

Inverse Universe

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



25, 14.434, 1.423



31, 21.543, 2.647



30, 9.558, 223.344



15, 2.158, 358.340



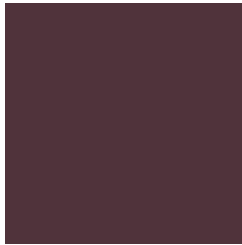
20, 45.259, 19.937



49, 83.144, 24.187

Previews

White Background



This preview shows how the CIE LCh color 25, 14.435, 1.420 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

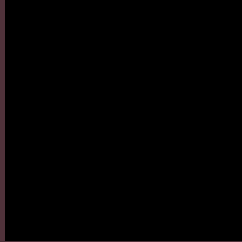
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 14.435, 1.420

Background



This preview shows how black text looks on a background with the CIELCh color 25, 14.435, 1.420.



This preview shows how white text looks on a background with the CIELCh color 25, 14.435, 1.420.

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, 14.435, 1.420

Protanopia

25, 3.298, 290.874

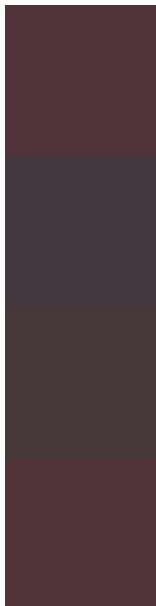
Deuteranopia

25, 3.710, 20.027



Tritanopia
25, 13.534, 11.196

Trichromacy



Original Color

25, 14.435, 1.420

Protanomaly

25, 6.380, 342.436

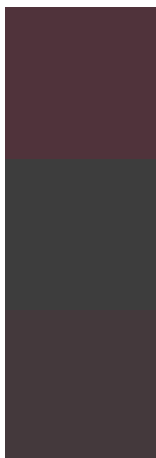
Deuteranomaly

25, 7.132, 10.232

Tritanomaly

25, 13.592, 8.472

Monochromacy



Original Color

25, 14.435, 1.420

Achromatopsia

26, 0.004, 296.813

Achromatomaly

25, 5.436, 359.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 14.435, 1.420 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(80, 51, 59)` looks like.

```
.text, #text, p{  
    color:rgb(80, 51, 59)  
}
```

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(80, 51, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 51, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 14.435, 1.420 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(80, 51, 59) }
```

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

```
.border{ border-color:rgb(80, 51, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 51, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 51, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 51, 59);  
box-shadow:4px 4px 4px 4px rgb(80, 51, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 14.435, 1.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 51, 59) }
```

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

```
.background{ background-color: rgb(80, 51,  
59) }
```

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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