

Converting Colors

CIELCh(25, 19.071, 6.931)

Have a look what the booklet for
CIELCh(25, 19.071, 6.931) contains.

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Color

CIELCh(25, 19.052, 8.030)

Conversions

Conversions Part 1

Format	Color
Hex	573038
RGB	87, 48, 56
RGB Percent	34%, 19%, 22%
CMY	0.6591, 0.8120, 0.7807
CMYK	0.00, 0.45, 0.36, 0.66
HSL	348°, 29%, 26%
HSV	348°, 45%, 34%
XYZ	5.6894, 4.4155, 4.2849
YIQ	60.5730, 20.6760, 10.7560

Conversions

Conversions Part 2

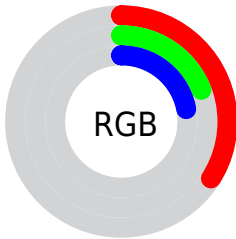
Format	Color
R_{YB}	87, 48, 56
Decimal	5713976
CIE _{Lab}	25.00, 18.87, 2.66
CIE _{LCh}	25, 19.052, 8.030
Yxy	4.4155, 0.3954, 0.3068
Android (android.graphics.Color)	4283904056 (0xFF573038)
YUV	60.5730, -2.2545, 23.1765
Hunter-Lab	21.0130, 11.5568, 2.6190

Details

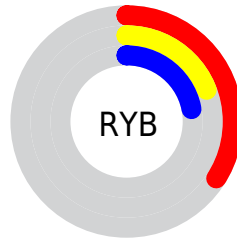
The CIELCh color **25, 19.052, 8.030** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 16.017, 178.862**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.918, 7.669**, and **5, 19.458, 7.588** is the 20% darker color. If you saturate the color by 10%, you get **23, 23.522, 9.898**, and if you desaturate by 10%, it is **27, 14.576, 6.503**.

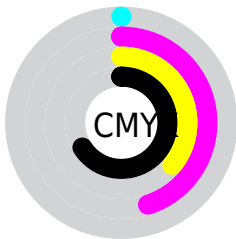
Distribution



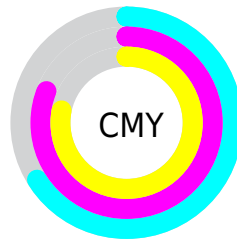
- Red (34%)
- Green (19%)
- Blue (22%)



- Red (34%)
- Yellow (19%)
- Blue (22%)



- Cyan (0%)
- Magenta (45%)
- Yellow (36%)
- Black (66%)



- Cyan (66%)
- Magenta (81%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 19.052, 8.030 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, 19.052, 8.030 by changing the saturation by 10% instead.

 25, 19.052, 8.030  25, 19.052, 8.030

 100, 19.052, 8.030  15, 19.052, 8.030

 45, 19.052, 8.030  5, 19.052, 8.030


 55, 19.052, 8.030  0, 19.052, 8.030


 65, 19.052, 8.030

 75, 19.052, 8.030

 85, 19.052, 8.030

 95, 19.052, 8.030

 25, 19.052, 8.030  25, 19.052, 8.030

 23, 23.522, 9.898  27, 14.576, 6.503

21, 27.860, 12.204

30, 10.191, 5.227

19, 31.916, 15.069

33, 5.955, 4.136

17, 35.555, 18.607

36, 1.901, 3.117

16, 38.909, 22.545

38, 1.960, 182.606

16, 40.691, 23.988

41, 5.628, 181.808

44, 9.111, 181.162

47, 12.423,
180.590

50, 15.577,
180.074

Harmonies

Complementary

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



25, 19.052, 8.030



34, 16.017, 178.862

Rectangle

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



25, 19.052, 8.030



25, 19.052, 58.030



25, 19.052, 188.030



25, 19.052, 238.030

Sweetspot

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



25, 19.051, 8.033



43, 6.411, 3.991



25, 28.123, 320.089



20, 4.453, 4.137



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, 19.051, 8.033



30, 28.597, 10.084



28, 15.952, 47.613



16, 2.206, 3.528



21, 47.745, 25.986



49, 87.649, 29.970

Inverse Universe

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



25, 19.051, 8.033



30, 28.597, 10.084



31, 12.179, 233.871



16, 2.206, 3.528



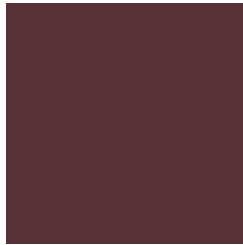
21, 47.745, 25.986



49, 87.649, 29.970

Previews

White Background



This preview shows how the CIE LCh color 25, 19.052, 8.030 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 25, 19.052, 8.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

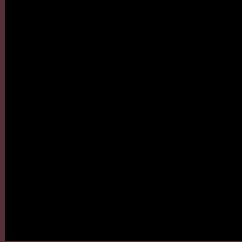
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 19.052, 8.030

Background



This preview shows how black text looks on a background with the CIELCh color 25, 19.052, 8.030.



This preview shows how white text looks on a background with the CIELCh color 25, 19.052, 8.030.

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, 19.052, 8.030

Protanopia

25, 2.035, 303.263

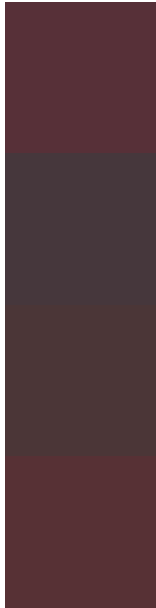
Deuteranopia

25, 5.447, 48.726



Tritanopia
25, 18.512, 17.428

Trichromacy



Original Color

25, 19.052, 8.030

Protanomaly

25, 7.654, 355.576

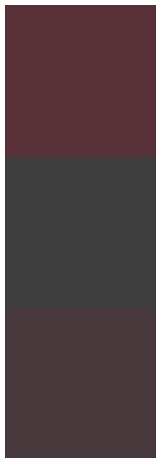
Deuteranomaly

25, 10.044, 17.665

Tritanomaly

25, 18.469, 15.430

Monochromacy



Original Color

25, 19.052, 8.030

Achromatopsia

26, 0.004, 296.813

Achromatomaly

25, 6.787, 3.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 19.052, 8.030 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(87, 48, 56)` looks like.

```
.text, #text, p{  
    color:rgb(87, 48, 56)  
}
```

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(87, 48, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 48, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 19.052, 8.030 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(87, 48, 56) }
```

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

```
.border{ border-color:rgb(87, 48, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 48, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 48, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 48, 56);  
box-shadow:4px 4px 4px 4px rgb(87, 48, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 19.052, 8.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 48, 56) }
```

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

```
.background{ background-color: rgb(87, 48,  
56) }
```

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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