

Converting Colors

CIELCh(25, 19.097, 347.477)

Have a look what the booklet for
CIELCh(25, 19.097, 347.477)
contains.

CIELCh(25, 18.678, 347.303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 18.678, 347.303)

Conversions

Conversions Part 1

Format	Color
Hex	533142
RGB	83, 49, 66
RGB Percent	33%, 19%, 26%
CMY	0.6749, 0.8082, 0.7415
CMYK	0.00, 0.41, 0.20, 0.67
HSL	330°, 26%, 26%
HSV	330°, 41%, 33%
XYZ	5.6334, 4.4155, 5.6949
YIQ	61.1040, 14.8070, 12.4950

Conversions

Conversions Part 2

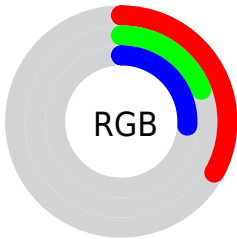
Format	Color
RYB	83, 49, 66
Decimal	5452098
CIELab	25.00, 18.22, -4.11
CIELCh	25, 18.678, 347.303
Yxy	4.4155, 0.3578, 0.2805
Android (android.graphics.Color)	4283642178 (0xFF533142)
YUV	61.1040, 2.4137, 19.2028
Hunter-Lab	21.0130, 11.0810, -1.3596

Details

The CIELCh color **25, 18.678, 347.303** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 17.858, 160.014**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.521, 346.868**, and **5, 18.851, 345.779** is the 20% darker color. If you saturate the color by 10%, you get **23, 23.091, 348.509**, and if you desaturate by 10%, it is **27, 14.107, 346.250**.

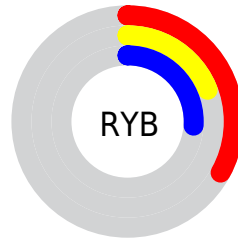
Distribution



Red (33%)

Green (19%)

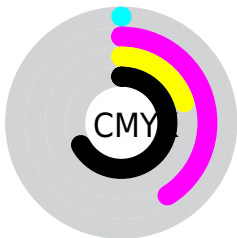
Blue (26%)



Red (33%)

Yellow (19%)

Blue (26%)

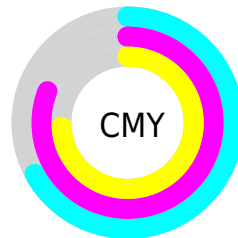


Cyan (0%)

Magenta (41%)

Yellow (20%)

Black (67%)



Cyan (67%)


Magenta (81%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 18.678, 347.303 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, 18.678, 347.303 by changing the saturation by 10% instead.

 25, 18.678,
347.303


 25, 18.678,
347.303

 100, 18.678,
347.303


 15, 18.678,
347.303


 45, 18.678,
347.303


 5, 18.678, 347.303

 55, 18.678,
347.303

 0, 18.678, 347.303

 65, 18.678,
347.303

 75, 18.678,
347.303

 85, 18.678,
347.303

 95, 18.678,

347.303

■ 25, 18.678,
347.303

■ 25, 18.678,
347.303

■ 23, 23.091,
348.509

■ 27, 14.107,
346.250

■ 21, 27.197,
349.914

■ 30, 9.498, 345.309

■ 19, 30.805,
351.589

■ 32, 4.927, 344.446

■ 35, 0.446, 343.241

■ 18, 33.720,
353.628

■ 38, 3.917, 163.076

■ 16, 35.843,
356.105

■ 40, 8.147, 162.399

■ 43, 12.239,
161.789

■ 15, 37.781,
358.261

■ 46, 16.196,
161.224

■ 48, 20.022,
160.699

Harmonies

Complementary

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



25, 18.678, 347.303



32, 17.858, 160.014

Rectangle

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



25, 18.678, 347.303



25, 18.678, 37.303



25, 18.678, 167.303



25, 18.678, 217.303

Sweetspot

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



25, 18.677, 347.304



41, 6.651, 344.564



23, 23.558, 310.391



20, 4.362, 344.612



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, 18.677, 347.304



30, 27.421, 348.464



24, 16.728, 21.668



15, 2.464, 344.252



21, 44.230, 359.579



50, 78.829, 2.691

Inverse Universe

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



25, 18.677, 347.304



30, 27.421, 348.464



33, 12.972, 196.009



15, 2.464, 344.252



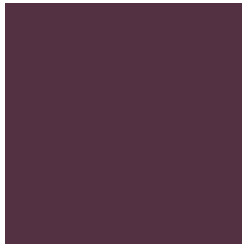
21, 44.230, 359.579



50, 78.829, 2.691

Previews

White Background



This preview shows how the CIE LCh color 25, 18.678, 347.303 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, 18.678, 347.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

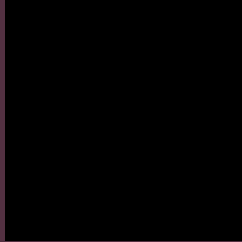
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 18.678, 347.303

Background



This preview shows how black text looks on a background with the CIELCh color 25, 18.678, 347.303.



This preview shows how white text looks on a background with the CIELCh color 25, 18.678, 347.303.

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, 18.678, 347.303

Protanopia
25, 9.240, 286.968

Deuteranopia
25, 4.562, 320.148



Tritanopia
25, 15.007, 12.664

Trichromacy



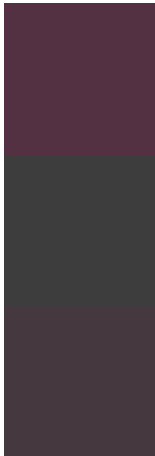
Original Color
25, 18.678, 347.303

Protanomaly
25, 11.036, 317.587

Deuteranomaly
25, 9.419, 337.034

Tritanomaly
25, 15.941, 1.437

Monochromacy



Original Color
25, 18.678, 347.303

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 6.727, 344.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 18.678, 347.303 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(83, 49, 66)` looks like.

```
.text, #text, p{  
    color:rgb(83, 49, 66)  
}
```

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(83, 49, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 49, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 18.678, 347.303 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(83, 49, 66) }
```

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

```
.border{ border-color:rgb(83, 49, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 49, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 49, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 49, 66);  
box-shadow:4px 4px 4px 4px rgb(83, 49, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 18.678, 347.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 49, 66) }
```

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

```
.background{ background-color: rgb(83, 49,  
66) }
```

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