

Converting Colors

CIELCh(19, 15.660, 75.724)

Have a look what the booklet for
CIELCh(19, 15.660, 75.724) contains.

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Color

CIELCh(19, 15.741, 77.576)

Conversions

Conversions Part 1

Format	Color
Hex	3A2C18
RGB	58, 44, 24
RGB Percent	23%, 17%, 9%
CMY	0.7733, 0.8282, 0.9066
CMYK	0.00, 0.24, 0.59, 0.77
HSL	35°, 42%, 16%
HSV	35°, 59%, 23%
XYZ	2.7906, 2.7468, 1.2380
YIQ	45.9060, 14.7640, -3.2520

Conversions

Conversions Part 2

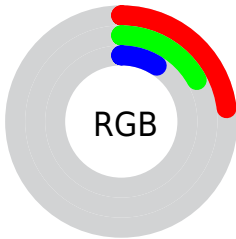
Format	Color
R_{YB}	48, 58, 24
Decimal	3812376
CIE _{Lab}	19.00, 3.39, 15.37
CIE _{LCh}	19, 15.741, 77.576
Yxy	2.7468, 0.4119, 0.4054
Android (android.graphics.Color)	4282002456 (0xFF3A2C18)
YUV	45.9060, -10.7997, 10.6064
Hunter-Lab	16.5735, 1.0512, 7.1728

Details

The CIELCh color **19, 15.741, 77.576** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 14.751, 273.963**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 15.702, 77.496**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 18.572, 76.319**, and if you desaturate by 10%, it is **20, 12.915, 78.796**.

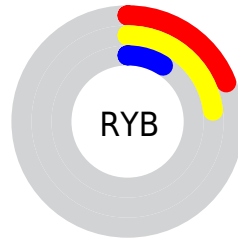
Distribution



Red (23%)

Green (17%)

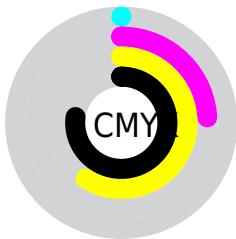
Blue (9%)



Red (19%)

Yellow (23%)

Blue (9%)

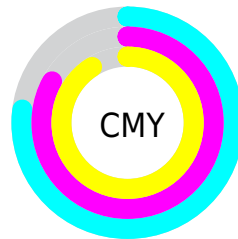


Cyan (0%)

Magenta (24%)

Yellow (59%)

Black (77%)



Cyan (77%)

Magenta (83%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.741, 77.576 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 19, 15.741, 77.576 by changing the saturation by 10% instead.

 19, 15.741, 77.576

 19, 15.741, 77.576

 100, 15.741,
77.576

 9, 15.741, 77.576

 39, 15.741, 77.576

 0, 15.741, 77.576

 49, 15.741, 77.576

 59, 15.741, 77.576

 69, 15.741, 77.576

 79, 15.741, 77.576

 89, 15.741, 77.576

 99, 15.741, 77.576

■ 19, 15.741, 77.576

■ 19, 15.741, 77.576

■ 18, 18.572, 76.319

■ 20, 12.915, 78.796

■ 17, 20.903, 74.662

■ 21, 10.135, 79.981

■ 17, 22.641, 72.610

■ 22, 7.419, 81.139

■ 16, 24.344, 70.795

■ 23, 4.773, 82.268

■ 16, 24.554, 70.591

■ 24, 2.199, 83.347

■ 24, 0.307, 264.889

■ 25, 2.748, 265.573

■ 26, 5.128, 266.563

■ 27, 7.454, 267.528

Harmonies

Complementary

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



19, 15.741, 77.576



15, 14.751, 273.963

Rectangle

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



19, 15.741, 77.576



19, 15.741, 127.576



19, 15.741, 257.576



19, 15.741, 307.576

Sweetspot

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



19, 15.741, 77.580



29, 5.622, 82.265



14, 18.850, 354.488



14, 3.951, 82.131



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 15.741, 77.580



24, 23.628, 75.621



23, 21.723, 109.324



10, 1.352, 83.397



26, 38.589, 70.566



62, 74.105, 67.906

Inverse Universe

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



15, 14.751, 273.963



17, 21.969, 277.990



10, 24.922, 299.664



9, 1.345, 265.343



16, 37.706, 288.529



42, 77.293, 292.067

Previews

White Background



This preview shows how the CIE LCh color 19, 15.741, 77.576 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 19, 15.741, 77.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

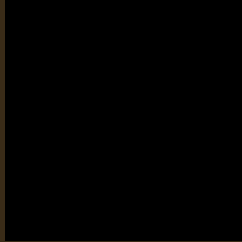
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.741, 77.576

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.741, 77.576.

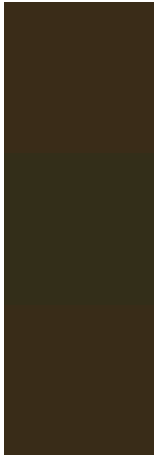


This preview shows how white text looks on a background with the CIELCh color 19, 15.741, 77.576.

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

19, 15.741, 77.576

Protanopia

19, 14.412, 95.849

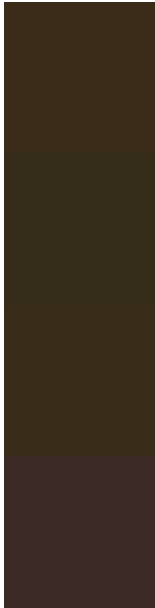
Deuteranopia

19, 15.456, 79.313



Tritanopia
19, 9.170, 4.407

Trichromacy



Original Color

19, 15.741, 77.576

Protanomaly

19, 14.255, 89.052

Deuteranomaly

19, 15.456, 79.313

Tritanomaly

19, 9.487, 41.997

Monochromacy



Original Color

19, 15.741, 77.576

Achromatopsia

19, 0.004, 296.813

Achromatomaly

19, 5.414, 81.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.741, 77.576 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(58, 44, 24)` looks like.

```
.text, #text, p{  
    color:rgb(58, 44, 24)  
}
```

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(58, 44, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 44, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.741, 77.576 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(58, 44, 24) }
```

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

```
.border{ border-color:rgb(58, 44, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 44, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 44, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 44, 24);  
box-shadow:4px 4px 4px 4px rgb(58, 44, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.741, 77.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 44, 24) }
```

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

```
.background{ background-color: rgb(58, 44,  
24) }
```

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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