

Converting Colors

CIELCh(19, 18.597, 46.181)

Have a look what the booklet for
CIELCh(19, 18.597, 46.181) contains.

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Color

CIELCh(19, 18.952, 45.463)

Conversions

Conversions Part 1

Format	Color
Hex	45261B
RGB	69, 38, 27
RGB Percent	27%, 15%, 11%
CMY	0.7288, 0.8504, 0.8936
CMYK	0.00, 0.45, 0.61, 0.73
HSL	16°, 44%, 19%
HSV	16°, 61%, 27%
XYZ	3.3635, 2.7468, 1.3983
YIQ	46.0150, 22.0070, 3.1510

Conversions

Conversions Part 2

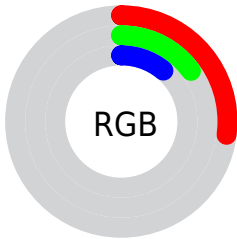
Format	Color
RYB	69, 42, 27
Decimal	4531739
CIELab	19.00, 13.29, 13.51
CIELCh	19, 18.952, 45.463
Yxy	2.7468, 0.4479, 0.3658
Android (android.graphics.Color)	4282721819 (0xFF45261B)
YUV	46.0150, -9.3744, 20.1578
Hunter-Lab	16.5735, 7.2214, 6.5991

Details

The CIELCh color **19, 18.952, 45.463** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 12.887, 233.042**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 18.960, 45.819**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 22.799, 45.624**, and if you desaturate by 10%, it is **21, 15.292, 45.435**.

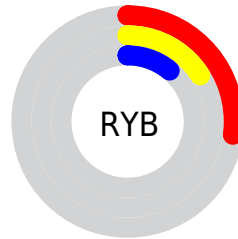
Distribution



Red (27%)

Green (15%)

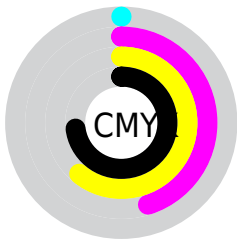
Blue (11%)



Red (27%)

Yellow (16%)

Blue (11%)

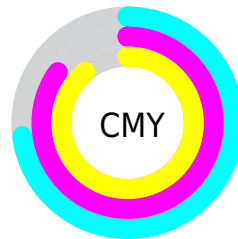


Cyan (0%)

Magenta (45%)

Yellow (61%)

Black (73%)



Cyan (73%)

Magenta (85%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 18.952, 45.463 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, 18.952, 45.463 by changing the saturation by 10% instead.

 19, 18.952, 45.463

 19, 18.952, 45.463

 100, 18.952,
45.463

 9, 18.952, 45.463

 39, 18.952, 45.463

 0, 18.952, 45.463

 49, 18.952, 45.463

 59, 18.952, 45.463

 69, 18.952, 45.463

 79, 18.952, 45.463

 89, 18.952, 45.463

 99, 18.952, 45.463

■ 19, 18.952, 45.463

■ 19, 18.952, 45.463

■ 18, 22.799, 45.624

■ 21, 15.292, 45.435

■ 16, 26.330, 44.938

■ 22, 11.848, 45.526

■ 15, 29.181, 43.185

■ 24, 8.626, 45.723

■ 14, 31.672, 42.084

■ 26, 5.618, 46.004

■ 27, 2.811, 46.330

■ 29, 0.191, 45.556

■ 31, 2.261, 227.415

■ 33, 4.561, 227.854

■ 35, 6.725, 228.349

Harmonies

Complementary

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



19, 18.952, 45.463



23, 12.887, 233.042

Rectangle

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



19, 18.952, 45.463



19, 18.952, 95.463



19, 18.952, 225.463



19, 18.952, 275.463

Sweetspot

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



19, 18.951, 45.467



34, 5.975, 46.070



17, 27.162, 336.266



16, 4.211, 46.020



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 18.951, 45.467



23, 29.510, 45.744



25, 21.041, 90.456



13, 1.483, 46.394



22, 45.225, 45.187



51, 88.731, 45.334

Inverse Universe

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



23, 12.887, 233.042



28, 17.828, 236.338



16, 22.217, 286.888



13, 1.421, 227.418



29, 22.860, 245.625



64, 42.672, 249.402

Previews

White Background



This preview shows how the CIELCh color 19, 18.952, 45.463 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, 18.952, 45.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

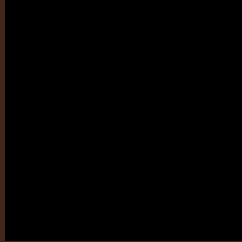
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 18.952, 45.463

Background



This preview shows how black text looks on a background with the CIELCh color 19, 18.952, 45.463.

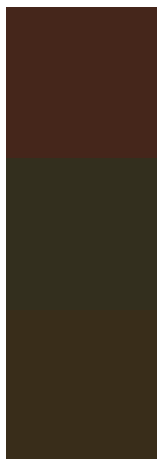


This preview shows how white text looks on a background with the CIELCh color 19, 18.952, 45.463.

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, 18.952, 45.463

Protanopia

19, 11.678, 96.961

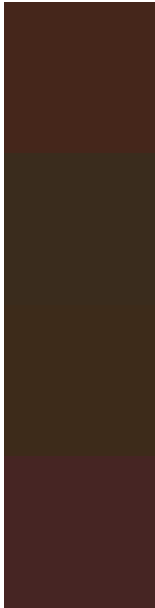
Deuteranopia

19, 14.532, 80.358



Tritanopia
19, 16.802, 19.124

Trichromacy



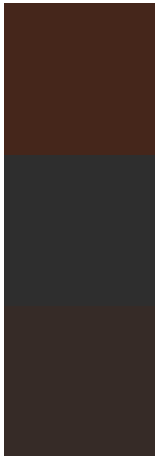
Original Color
19, 18.952, 45.463

Protanomaly
19, 12.831, 71.790

Deuteranomaly
19, 15.437, 67.762

Tritanomaly
19, 17.367, 27.949

Monochromacy



Original Color
19, 18.952, 45.463

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.224, 46.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 18.952, 45.463 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(69, 38, 27)` looks like.

```
.text, #text, p{  
    color:rgb(69, 38, 27)  
}
```

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(69, 38, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 38, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 18.952, 45.463 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(69, 38, 27) }
```

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

```
.border{ border-color:rgb(69, 38, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 38, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 38, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 38, 27);  
box-shadow:4px 4px 4px 4px rgb(69, 38, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 18.952, 45.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 38, 27) }
```

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

```
.background{ background-color: rgb(69, 38,  
27) }
```

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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