

Converting Colors

CIELCh(38, 19.089, 9.683)

Have a look what the booklet for
CIELCh(38, 19.089, 9.683) contains.

CIELCh(38, 19.031, 9.632)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 19.031, 9.632)

Conversions

Conversions Part 1

Format	Color
Hex	784E55
RGB	120, 78, 85
RGB Percent	47%, 31%, 33%
CMY	0.5296, 0.6943, 0.6668
CMYK	0.00, 0.35, 0.29, 0.53
HSL	350°, 21%, 39%
HSV	350°, 35%, 47%
XYZ	12.0991, 10.0881, 9.8953
YIQ	91.3560, 22.7850, 11.0810

Conversions

Conversions Part 2

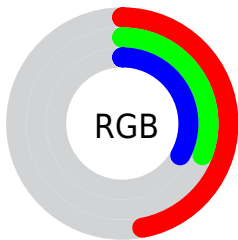
Format	Color
R_{YB}	120, 78, 85
Decimal	7884373
CIE Lab	38.00, 18.76, 3.18
CIE LCh	38, 19.031, 9.632
Yxy	10.0881, 0.3771, 0.3144
Android (android.graphics.Color)	4286074453 (0xFF784E55)
YUV	91.3560, -3.1335, 25.1208
Hunter-Lab	31.7617, 12.4137, 3.7616

Details

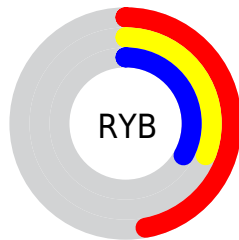
The CIELCh color **38, 19.031, 9.632** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **47, 16.290, 182.831**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 18.694, 9.364**, and **18, 18.867, 10.371** is the 20% darker color. If you saturate the color by 10%, you get **35, 24.920, 11.287**, and if you desaturate by 10%, it is **41, 13.286, 8.282**.

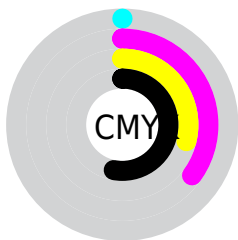
Distribution



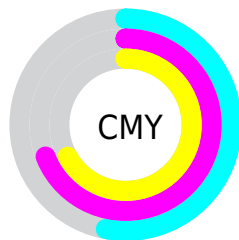
- Red (47%)
- Green (31%)
- Blue (33%)



- Red (47%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (29%)
- Black (53%)




- Cyan (53%)
- Magenta (69%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.031, 9.632 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 38, 19.031, 9.632 by changing the saturation by 10% instead.

 38, 19.031, 9.632  38, 19.031, 9.632

 100, 19.031, 9.632  28, 19.031, 9.632

 58, 19.031, 9.632  18, 19.031, 9.632

 68, 19.031, 9.632  8, 19.031, 9.632

 78, 19.031, 9.632  0, 19.031, 9.632

 88, 19.031, 9.632

 98, 19.031, 9.632

 38, 19.031, 9.632  38, 19.031, 9.632

 35, 24.920, 11.287  41, 13.286, 8.282

 32, 30.826, 13.337  45, 7.770, 7.147

■ 29, 36.568, 15.905

■ 49, 2.524, 6.110

■ 27, 41.944, 19.121

■ 52, 2.441, 185.590

■ 25, 46.789, 23.069

■ 56, 7.131, 184.793

■ 24, 51.092, 27.607

■ 60, 11.560,
184.157

■ 24, 53.303, 29.660

■ 63, 15.749,
183.600

■ 67, 19.721,
183.104

■ 71, 23.497,
182.657

Harmonies

Complementary

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



38, 19.031, 9.632



47, 16.290, 182.831

Rectangle

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



38, 19.031, 9.632



38, 19.031, 59.632



38, 19.031, 189.632



38, 19.031, 239.632

Sweetspot

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



38, 19.029, 9.635



59, 6.975, 6.761



38, 28.980, 321.306



30, 4.737, 6.869



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 19.029, 9.635



46, 28.675, 10.933



42, 15.546, 53.237



24, 2.918, 6.540



25, 55.008, 29.911



53, 95.299, 32.911

Inverse Universe

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



38, 19.029, 9.635



46, 28.675, 10.933



43, 12.862, 239.680



24, 2.918, 6.540



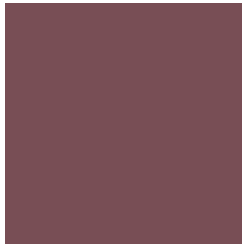
25, 55.008, 29.911



53, 95.299, 32.911

Previews

White Background



This preview shows how the CIE LCh color 38, 19.031, 9.632 looks on a white background.

Color Contrast Check

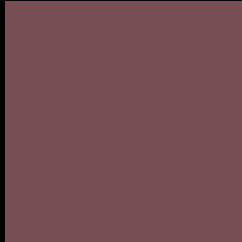
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 19.031, 9.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

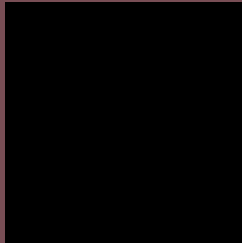
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 19.031, 9.632

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.031, 9.632.



This preview shows how white text looks on a background with the CIELCh color 38, 19.031, 9.632.

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

38, 19.031, 9.632

Protanopia

38, 1.503, 324.456

Deuteranopia

38, 6.667, 41.598



Tritanopia
38, 18.988, 11.449

Trichromacy



Original Color
38, 19.031, 9.632

Protanomaly
38, 7.743, 2.115

Deuteranomaly
38, 10.653, 20.924

Tritanomaly
38, 18.988, 11.449

Monochromacy



Original Color
38, 19.031, 9.632

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 7.156, 5.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.031, 9.632 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(120, 78, 85)` looks like.

```
.text, #text, p{  
    color:rgb(120, 78, 85)  
}
```

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(120, 78, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 78, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.031, 9.632 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(120, 78, 85) }
```

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

```
.border{ border-color:rgb(120, 78, 85) }
```

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

Here you see how a box with a 4 pixel rgb(120, 78, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 78, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 78, 85);  
box-shadow:4px 4px 4px 4px rgb(120, 78,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.031, 9.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 78, 85) }
```

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

```
.background{ background-color: rgb(120, 78,  
85) }
```

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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