

Converting Colors

CIELCh(38, 22.289, 359.555)

Have a look what the booklet for
CIELCh(38, 22.289, 359.555)
contains.

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Color

CIELCh(38, 21.946, 0.405)

Conversions

Conversions Part 1

Format	Color
Hex	7B4C5A
RGB	123, 76, 90
RGB Percent	48%, 30%, 35%
CMY	0.5182, 0.7024, 0.6476
CMYK	0.00, 0.38, 0.27, 0.52
HSL	342°, 24%, 39%
HSV	342°, 38%, 48%
XYZ	12.5642, 10.0881, 10.9294
YIQ	91.6490, 23.5180, 14.3180

Conversions

Conversions Part 2

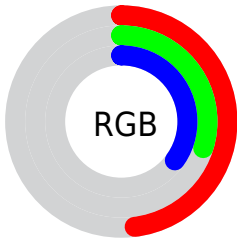
Format	Color
R_{YB}	123, 76, 90
Decimal	8080474
CIE _{Lab}	38.00, 21.95, 0.16
CIE _{LCh}	38, 21.946, 0.405
Yxy	10.0881, 0.3741, 0.3004
Android (android.graphics.Color)	4286270554 (0xFF7B4C5A)
YUV	91.6490, -0.8130, 27.4948
Hunter-Lab	31.7617, 15.0278, 1.8312

Details

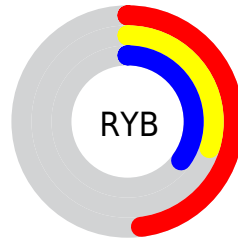
The CIELCh color $[38, 21.946, 0.405]$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $[48, 19.653, 172.391]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 21.876, 0.880]$, and $[18, 22.366, 359.674]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 27.840, 2.074]$, and if you desaturate by 10%, it is $[41, 16.012, 359.017]$.

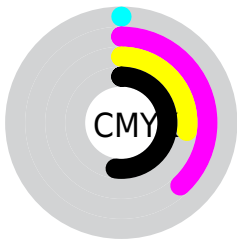
Distribution



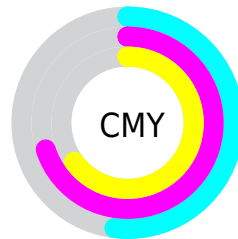
- Red (48%)
- Green (30%)
- Blue (35%)



- Red (48%)
- Yellow (30%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (27%)
- Black (52%)



- Cyan (52%)
- Magenta (70%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.946, 0.405 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, 21.946, 0.405 by changing the saturation by 10% instead.

 38, 21.946, 0.405  38, 21.946, 0.405

 100, 21.946, 0.405  28, 21.946, 0.405

 58, 21.946, 0.405  18, 21.946, 0.405



 68, 21.946, 0.405  8, 21.946, 0.405

 78, 21.946, 0.405  0, 21.946, 0.405

 88, 21.946, 0.405

 98, 21.946, 0.405

 38, 21.946, 0.405  38, 21.946, 0.405

 35, 27.840, 2.074  41, 16.012,
359.017

 32, 33.513, 4.113

■ 29, 38.725, 6.650

■ 45, 10.174,
357.830

■ 27, 43.238, 9.835

■ 49, 4.510, 356.775

■ 26, 46.893, 13.808

■ 52, 0.937, 176.317

■ 25, 49.983, 18.345

■ 56, 6.150, 175.225

■ 25, 50.570, 19.098

■ 60, 11.131,
174.492

■ 64, 15.887,
173.842

■ 67, 20.433,
173.254

■ 71, 24.787,
172.716

Harmonies

Complementary

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



38, 21.946, 0.405



48, 19.653, 172.391

Rectangle

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



38, 21.946, 0.405



38, 21.946, 50.405



38, 21.946, 180.405



38, 21.946, 230.405

Sweetspot

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



38, 21.944, 0.407



61, 7.540, 357.088



38, 31.420, 317.299



31, 5.116, 357.201



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



38, 21.944, 0.407



46, 33.051, 1.873



40, 18.483, 39.342



24, 3.077, 356.860



25, 51.211, 19.206



53, 87.702, 22.510

Inverse Universe

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



38, 21.944, 0.407



46, 33.051, 1.873



45, 14.237, 221.409



24, 3.077, 356.860



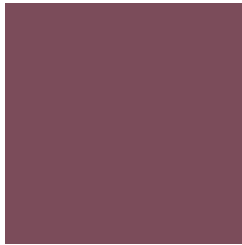
25, 51.211, 19.206



53, 87.702, 22.510

Previews

White Background



This preview shows how the CIE LCh color 38, 21.946, 0.405 looks on a white background.

Color Contrast Check

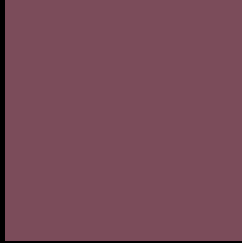
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 21.946, 0.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

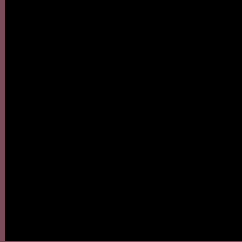
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 21.946, 0.405

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.946, 0.405.



This preview shows how white text looks on a background with the CIELCh color 38, 21.946, 0.405.

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, 21.946, 0.405

Protanopia

38, 5.539, 291.059

Deuteranopia

38, 5.224, 13.381



Tritanopia
38, 20.364, 12.471

Trichromacy



Original Color
38, 21.946, 0.405

Protanomaly
38, 9.870, 337.646

Deuteranomaly
38, 11.449, 2.514

Tritanomaly
38, 20.437, 9.083

Monochromacy



Original Color
38, 21.946, 0.405

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 7.918, 357.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.946, 0.405 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(123, 76, 90)` looks like.

```
.text, #text, p{  
    color:rgb(123, 76, 90)  
}
```

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(123, 76, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 76, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.946, 0.405 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(123, 76, 90) }
```

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

```
.border{ border-color:rgb(123, 76, 90) }
```

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

Here you see how a box with a 4 pixel rgb(123, 76, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 76, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 76, 90);  
box-shadow:4px 4px 4px 4px rgb(123, 76,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.946, 0.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 76, 90) }
```

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

```
.background{ background-color: rgb(123, 76,  
90) }
```

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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