

Converting Colors

CIELCh(38, 9.487, 73.377)

Have a look what the booklet for
CIELCh(38, 9.487, 73.377) contains.

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Color

CIELCh(38, 9.476, 70.391)

Conversions

Conversions Part 1

Format	Color
Hex	64574B
RGB	100, 87, 75
RGB Percent	39%, 34%, 29%
CMY	0.6069, 0.6579, 0.7050
CMYK	0.00, 0.13, 0.25, 0.61
HSL	29°, 14%, 34%
HSV	29°, 25%, 39%
XYZ	9.9868, 10.0881, 8.1180
YIQ	89.5190, 11.6000, -0.9760

Conversions

Conversions Part 2

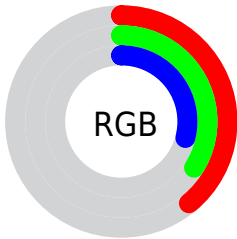
Format	Color
R_{YB}	100, 98, 75
Decimal	6575947
CIE Lab	38.00, 3.18, 8.93
CIE LCh	38, 9.476, 70.391
Yxy	10.0881, 0.3542, 0.3578
Android (android.graphics.Color)	4284766027 (0xFF64574B)
YUV	89.5190, -7.1579, 9.1918
Hunter-Lab	31.7617, 0.5426, 7.0791

Details

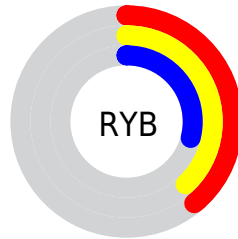
The CIELCh color $38, 9.476, 70.391$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $37, 8.831, 256.632$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 9.370, 71.263$, and $18, 9.630, 71.062$ is the 20% darker color. If you saturate the color by 10%, you get $36, 13.595, 69.269$, and if you desaturate by 10%, it is $40, 5.546, 71.517$.

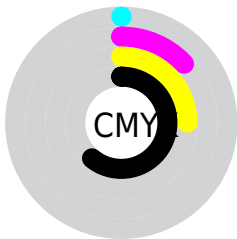
Distribution



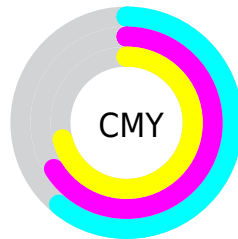
- Red (39%)
- Green (34%)
- Blue (29%)



- Red (39%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (13%)
- Yellow (25%)
- Black (61%)



- Cyan (61%)
- Magenta (66%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 9.476, 70.391 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, 9.476, 70.391 by changing the saturation by 10% instead.

 38, 9.476, 70.391  38, 9.476, 70.391

 100, 9.476, 70.391  28, 9.476, 70.391

 58, 9.476, 70.391  18, 9.476, 70.391

 68, 9.476, 70.391  8, 9.476, 70.391

 78, 9.476, 70.391  0, 9.476, 70.391

 88, 9.476, 70.391

 98, 9.476, 70.391

 38, 9.476, 70.391  38, 9.476, 70.391

 36, 13.595, 69.269  40, 5.546, 71.517

 35, 17.906, 68.132  42, 1.793, 72.550

■ 33, 22.394, 66.990

■ 43, 1.796, 253.911

■ 31, 27.014, 65.828

■ 45, 5.238, 254.904

■ 30, 31.661, 64.599

■ 47, 8.547, 255.934

■ 28, 36.118, 63.201

■ 49, 11.738,
256.940

■ 27, 40.114, 61.550

■ 51, 14.824,
257.914

■ 26, 42.078, 60.813

■ 53, 17.818,
258.850

■ 55, 20.728,
259.749

Harmonies

Complementary

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



38, 9.476, 70.391



37, 8.831, 256.632

Rectangle

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



38, 9.476, 70.391



38, 9.476, 120.391



38, 9.476, 250.391



38, 9.476, 300.391

Sweetspot

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



38, 9.476, 70.400



53, 3.157, 72.340



35, 13.531, 343.902



27, 2.069, 72.308



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 9.476, 70.400



48, 14.312, 69.732



42, 14.488, 106.496



20, 2.082, 72.164



30, 47.099, 60.612



63, 83.034, 58.282

Inverse Universe

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



37, 8.831, 256.632



46, 13.087, 257.653



33, 15.246, 291.589



20, 2.038, 254.355



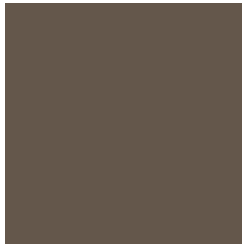
25, 36.957, 279.880



53, 67.843, 282.888

Previews

White Background



This preview shows how the CIELCh color 38, 9.476, 70.391 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, 9.476, 70.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

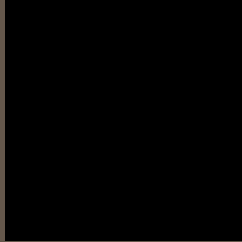
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 9.476, 70.391

Background



This preview shows how black text looks on a background with the CIELCh color 38, 9.476, 70.391.

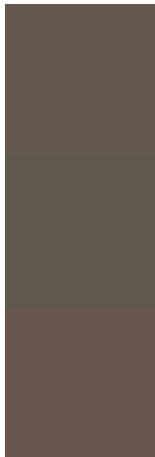


This preview shows how white text looks on a background with the CIELCh color 38, 9.476, 70.391.

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, 9.476, 70.391

Protanopia

38, 8.267, 93.139

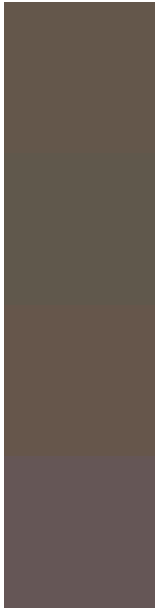
Deuteranopia

38, 10.347, 60.502



Tritanopia
38, 8.441, 350.124

Trichromacy



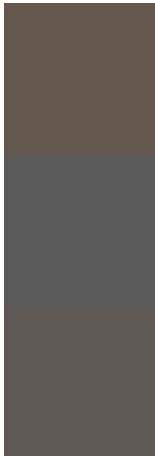
Original Color
38, 9.476, 70.391

Protanomaly
38, 8.198, 82.910

Deuteranomaly
38, 9.995, 62.212

Tritanomaly
38, 6.553, 20.291

Monochromacy



Original Color
38, 9.476, 70.391

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 3.262, 68.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 9.476, 70.391 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(100, 87, 75)` looks like.

```
.text, #text, p{  
    color:rgb(100, 87, 75)  
}
```

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(100, 87, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 87, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 9.476, 70.391 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(100, 87, 75) }
```

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

```
.border{ border-color:rgb(100, 87, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 87, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 87, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 87, 75);  
box-shadow:4px 4px 4px 4px rgb(100, 87,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 9.476, 70.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 87, 75) }
```

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

```
.background{ background-color: rgb(100, 87,  
75) }
```

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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