

Converting Colors

CIELCh(38, 15.847, 0.078)

Have a look what the booklet for
CIELCh(38, 15.847, 0.078) contains.

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Color

CIELCh(38, 15.908, 359.459)

Conversions

Conversions Part 1

Format	Color
Hex	72505A
RGB	114, 80, 90
RGB Percent	45%, 31%, 35%
CMY	0.5523, 0.6857, 0.6465
CMYK	0.00, 0.30, 0.21, 0.55
HSL	342°, 18%, 38%
HSV	342°, 30%, 45%
XYZ	11.6917, 10.0881, 11.0374
YIQ	91.3060, 17.0540, 10.3180

Conversions

Conversions Part 2

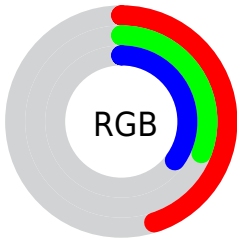
Format	Color
R_{YB}	114, 80, 90
Decimal	7491674
CIE Lab	38.00, 15.91, -0.15
CIE LCh	38, 15.908, 359.459
Yxy	10.0881, 0.3563, 0.3074
Android (android.graphics.Color)	4285681754 (0xFF72505A)
YUV	91.3060, -0.6439, 19.9026
Hunter-Lab	31.7617, 10.1240, 1.6295

Details

The CIELCh color **38, 15.908, 359.459** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **45, 14.606, 173.613**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 15.829, 0.308**, and **18, 15.871, 358.522** is the 20% darker color. If you saturate the color by 10%, you get **35, 21.493, 0.876**, and if you desaturate by 10%, it is **41, 10.398, 358.258**.

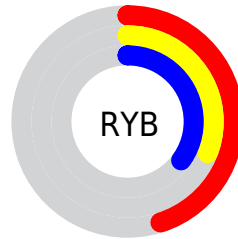
Distribution



Red (45%)

Green (31%)

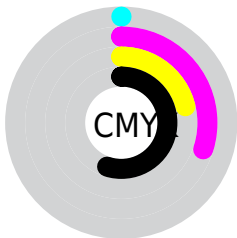
Blue (35%)



Red (45%)

Yellow (31%)

Blue (35%)

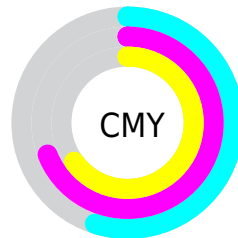


Cyan (0%)

Magenta (30%)

Yellow (21%)

Black (55%)



Cyan (55%)


Magenta (69%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 15.908, 359.459 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, 15.908, 359.459 by changing the saturation by 10% instead.


 38, 15.908,
359.459


 38, 15.908,
359.459

 100, 15.908,
359.459


 28, 15.908,
359.459

 58, 15.908,
359.459


 18, 15.908,
359.459


 68, 15.908,
359.459

 8, 15.908, 359.459

 78, 15.908,
359.459

 0, 15.908, 359.459

 88, 15.908,
359.459

 98, 15.908,
359.459

38, 15.908,
359.459

38, 15.908,
359.459

35, 21.493, 0.876

41, 10.398,
358.258

32, 27.030, 2.575

45, 5.048, 357.198

29, 32.339, 4.655

48, 0.103, 179.455

27, 37.200, 7.244

52, 5.035, 175.626

25, 41.394, 10.488

55, 9.748, 174.881

24, 44.788, 14.521

59, 14.249,
174.225

23, 47.880, 18.871

23, 47.951, 18.957

62, 18.550,
173.632

66, 22.669,
173.090

70, 26.619,

Harmonies

Complementary

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



38, 15.908, 359.459



45, 14.606, 173.613

Rectangle

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



38, 15.908, 359.459



38, 15.908, 49.459



38, 15.908, 179.459



38, 15.908, 229.459

Sweetspot

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



38, 15.906, 359.462



57, 5.731, 357.140



38, 22.966, 316.942



29, 3.966, 357.258



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



38, 15.906, 359.462



46, 23.977, 0.445



40, 13.092, 39.201



22, 2.854, 357.115



24, 49.720, 19.283



52, 86.499, 22.790

Inverse Universe

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



38, 15.906, 359.462



46, 23.977, 0.445



44, 10.783, 220.746



22, 2.854, 357.115



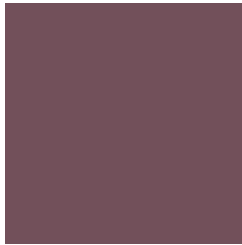
24, 49.720, 19.283



52, 86.499, 22.790

Previews

White Background



This preview shows how the CIELCh color 38, 15.908, 359.459 looks on a white background.

Color Contrast Check

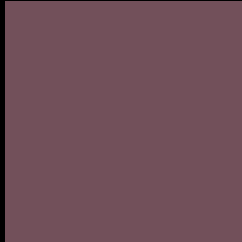
Large Text (above 18pt) WCAG AA ✓ Pass

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, 15.908, 359.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

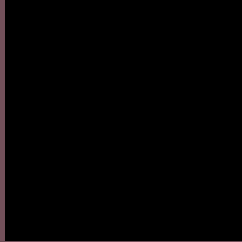
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 15.908, 359.459

Background



This preview shows how black text looks on a background with the CIELCh color 38, 15.908, 359.459.



This preview shows how white text looks on a background with the CIELCh color 38, 15.908, 359.459.

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, 15.908, 359.459

Protanopia

38, 3.723, 297.138

Deuteranopia

38, 5.314, 6.818



Tritanopia
38, 14.924, 7.609

Trichromacy



Original Color
38, 15.908, 359.459

Protanomaly
38, 7.006, 342.602

Deuteranomaly
38, 9.007, 5.013

Tritanomaly
38, 15.024, 5.325

Monochromacy



Original Color
38, 15.908, 359.459

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 5.693, 354.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 15.908, 359.459 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(114, 80, 90)` looks like.

```
.text, #text, p{  
    color:rgb(114, 80, 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(114, 80, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 80, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 15.908, 359.459 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(114, 80, 90) }
```

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

```
.border{ border-color:rgb(114, 80, 90) }
```

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

Here you see how a box with a 4 pixel rgb(114, 80, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 80, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 80, 90);  
box-shadow:4px 4px 4px 4px rgb(114, 80,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 15.908, 359.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 80, 90) }
```

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

```
.background{ background-color: rgb(114, 80,  
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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