

Converting Colors

CIELCh(51, 15.259, 42.407)

Have a look what the booklet for
CIELCh(51, 15.259, 42.407) contains.

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Color

CIELCh(51, 15.551, 42.562)

Conversions

Conversions Part 1

Format	Color
Hex	937268
RGB	147, 114, 104
RGB Percent	58%, 45%, 41%
CMY	0.4231, 0.5526, 0.5918
CMYK	0.00, 0.22, 0.29, 0.42
HSL	14°, 17%, 49%
HSV	14°, 29%, 58%
XYZ	20.5809, 19.2686, 15.7551
YIQ	122.7270, 22.8780, 3.8860

Conversions

Conversions Part 2

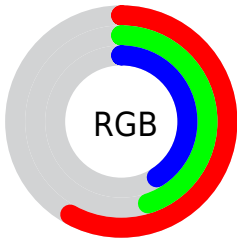
Format	Color
R_{YB}	147, 117, 104
Decimal	9663080
CIE _{Lab}	51.00, 11.45, 10.52
CIE _{LCh}	51, 15.551, 42.562
Yxy	19.2686, 0.3701, 0.3465
Android (android.graphics.Color)	4287853160 (0xFF937268)
YUV	122.7270, -9.2324, 21.2874
Hunter-Lab	43.8960, 6.8728, 9.4469

Details

The CIELCh color $51, 15.551, 42.562$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 12.865, 225.110$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 15.671, 42.786$, and $31, 15.368, 42.966$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.725, 42.550$, and if you desaturate by 10%, it is $54, 9.830, 42.712$.

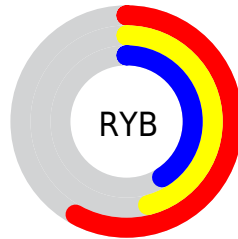
Distribution



Red (58%)

Green (45%)

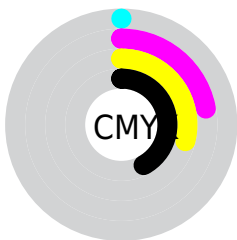
Blue (41%)



Red (58%)

Yellow (46%)

Blue (41%)

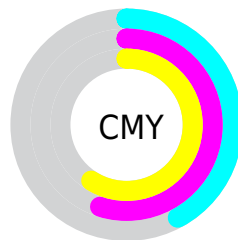


Cyan (0%)

Magenta (22%)

Yellow (29%)

Black (42%)



Cyan (42%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 15.551, 42.562 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 51, 15.551, 42.562 by changing the saturation by 10% instead.

■ 51, 15.551, 42.562

■ 51, 15.551, 42.562

■ 100, 15.551,
42.562

■ 41, 15.551, 42.562

■ 71, 15.551, 42.562

■ 31, 15.551, 42.562

■ 81, 15.551, 42.562

■ 21, 15.551, 42.562

■ 91, 15.551, 42.562

■ 11, 15.551, 42.562

■ 1, 15.551, 42.562

■ 0, 15.551, 42.562

■ 51, 15.551, 42.562

■ 51, 15.551, 42.562

■ 48, 21.725, 42.550

■ 54, 9.830, 42.712

■ 45, 28.363, 42.689

■ 58, 4.537, 42.923

 42, 35.435, 43.007	 61, 0.363, 224.526
 39, 42.848, 43.503	 65, 4.911, 223.838
 37, 50.381, 44.100	 68, 9.144, 224.234
 34, 57.531, 44.561	 72, 13.099, 224.682
 33, 63.840, 44.889	 75, 16.811, 225.152
 33, 64.315, 44.951	 79, 20.309, 225.632
	 83, 23.620, 226.116

Harmonies

Complementary

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



51, 15.551, 42.562



55, 12.865, 225.110

Rectangle

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



51, 15.551, 42.562



51, 15.551, 92.562



51, 15.551, 222.562



51, 15.551, 272.562

Sweetspot

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



51, 15.550, 42.569



74, 5.475, 42.924



49, 25.746, 332.972



38, 3.855, 42.896



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 15.550, 42.569



63, 23.668, 42.541



57, 18.273, 91.369



29, 2.787, 42.923



30, 60.932, 44.908



1, 2.360, 43.319

Inverse Universe

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



55, 12.865, 225.110



69, 18.647, 225.741



49, 18.460, 279.133



30, 2.641, 223.814



41, 28.296, 241.435



2, 2.360, 223.338

Previews

White Background



This preview shows how the CIELCh color 51, 15.551, 42.562 looks on a white background.

Color Contrast Check

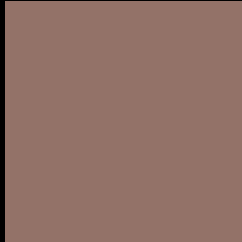
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 15.551, 42.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

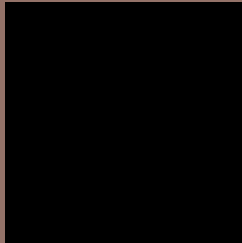
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 15.551, 42.562

Background



This preview shows how black text looks on a background with the CIELCh color 51, 15.551, 42.562.

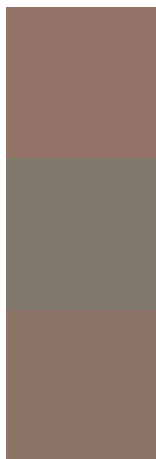


This preview shows how white text looks on a background with the CIELCh color 51, 15.551, 42.562.

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


51, 15.551, 42.562

Protanopia

51, 7.947, 90.702

Deuteranopia

51, 12.540, 56.950



Tritanopia
51, 15.955, 4.577

Trichromacy



Original Color
51, 15.551, 42.562

Protanomaly
51, 9.360, 62.748

Deuteranomaly
51, 13.689, 50.801

Tritanomaly
51, 14.755, 18.908

Monochromacy



Original Color
51, 15.551, 42.562

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 5.469, 44.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 15.551, 42.562 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(147, 114, 104)` looks like.

```
.text, #text, p{  
    color:rgb(147, 114, 104)  
}
```

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(147, 114, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 114, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 15.551, 42.562 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(147, 114, 104) }
```

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

```
.border{ border-color:rgb(147, 114, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 114, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 114, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 114, 104);  
box-shadow:4px 4px 4px 4px rgb(147, 114,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 15.551, 42.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 114, 104) }
```

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

```
.background{ background-color: rgb(147,  
114, 104) }
```

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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