

Converting Colors

CIELCh(51, 9.462, 88.935)

Have a look what the booklet for
CIELCh(51, 9.462, 88.935) contains.

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Color

CIELCh(51, 9.741, 91.221)

Conversions

Conversions Part 1

Format	Color
Hex	807969
RGB	128, 121, 105
RGB Percent	50%, 47%, 41%
CMY	0.4982, 0.5257, 0.5884
CMYK	0.00, 0.05, 0.18, 0.50
HSL	42°, 10%, 46%
HSV	42°, 18%, 50%
XYZ	18.2748, 19.2686, 16.1087
YIQ	121.2690, 9.3080, -3.4920

Conversions

Conversions Part 2

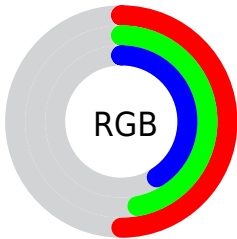
Format	Color
RYB	115, 128, 105
Decimal	8419689
CIELab	51.00, -0.21, 9.74
CIElCh	51, 9.741, 91.221
Yxy	19.2686, 0.3406, 0.3591
Android (android.graphics.Color)	4286609769 (0xFF807969)
YUV	121.2690, -8.0206, 5.9031
Hunter-Lab	43.8960, -2.5050, 8.9693

Details

The CIELCh color **51, 9.741, 91.221** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 9.764, 275.758**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 9.753, 90.459**, and **31, 9.907, 91.758** is the 20% darker color. If you saturate the color by 10%, you get **50, 15.287, 89.992**, and if you desaturate by 10%, it is **52, 4.281, 92.415**.

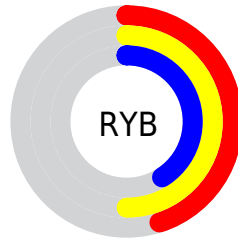
Distribution



Red (50%)

Green (47%)

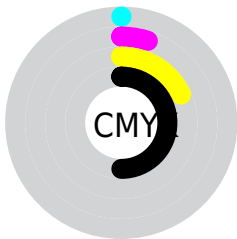
Blue (41%)



Red (45%)

Yellow (50%)

Blue (41%)

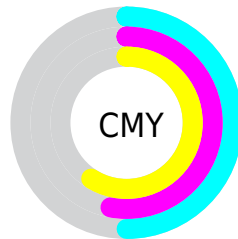


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (50%)



Cyan (50%)

Magenta (53%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 9.741, 91.221 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, 9.741, 91.221 by changing the saturation by 10% instead.

 51, 9.741, 91.221  51, 9.741, 91.221

 100, 9.741, 91.221  41, 9.741, 91.221


 71, 9.741, 91.221  31, 9.741, 91.221

 81, 9.741, 91.221  21, 9.741, 91.221


 91, 9.741, 91.221  11, 9.741, 91.221

 1, 9.741, 91.221

 0, 9.741, 91.221

 51, 9.741, 91.221  51, 9.741, 91.221

 50, 15.287, 89.992  52, 4.281, 92.415

 48, 20.895, 88.715  54, 1.086, 273.762

47, 26.521, 87.402

55, 6.361, 274.759

46, 32.077, 86.049

57, 11.544,
275.819

44, 37.405, 84.639

58, 16.642,
276.837

43, 42.234, 83.134

42, 46.151, 81.453

60, 21.659,
277.808

41, 49.073, 79.596

61, 26.602,
278.731

41, 49.722, 79.253

63, 31.476,
279.607

65, 36.285,
280.436

Harmonies

Complementary

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



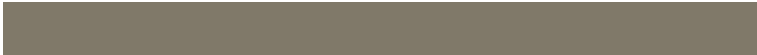
51, 9.741, 91.221



47, 9.764, 275.758

Rectangle

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



51, 9.741, 91.221



51, 9.741, 141.221



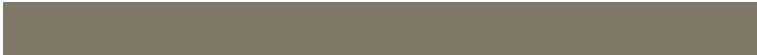
51, 9.741, 271.221



51, 9.741, 321.221

Sweetspot

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



51, 9.742, 91.230



67, 3.306, 92.731



47, 10.450, 356.509



35, 2.275, 92.667



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 9.742, 91.230



64, 14.791, 90.674



53, 13.340, 116.140



26, 3.021, 92.286



41, 49.596, 79.262



0, 0.000, 0.000

Inverse Universe

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



47, 9.764, 275.758



58, 14.828, 276.456



46, 13.846, 298.698



25, 3.030, 274.531



20, 59.230, 297.027



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 9.741, 91.221 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, 9.741, 91.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

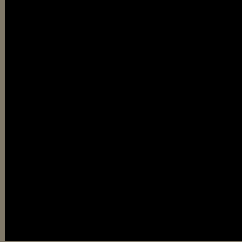
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

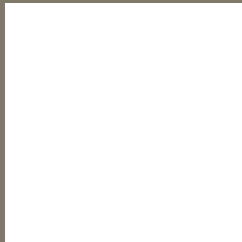
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 9.741, 91.221

Background



This preview shows how black text looks on a background with the CIELCh color 51, 9.741, 91.221.



This preview shows how white text looks on a background with the CIELCh color 51, 9.741, 91.221.

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, 9.741, 91.221

Protanopia

51, 9.619, 93.644

Deuteranopia

51, 11.445, 53.920



Tritanopia
51, 7.407, 335.222

Trichromacy



Original Color
51, 9.741, 91.221

Protanomaly
51, 9.619, 93.644

Deuteranomaly
51, 10.096, 63.346

Tritanomaly
51, 4.491, 19.827

Monochromacy



Original Color
51, 9.741, 91.221

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.685, 90.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 9.741, 91.221 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(128, 121, 105)` looks like.

```
.text, #text, p{  
    color:rgb(128, 121, 105)  
}
```

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(128, 121, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 121, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 9.741, 91.221 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(128, 121, 105) }
```

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

```
.border{ border-color:rgb(128, 121, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 121, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 121, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 121, 105);  
box-shadow:4px 4px 4px 4px rgb(128, 121,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 9.741, 91.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 121, 105) }
```

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

```
.background{ background-color: rgb(128,  
121, 105) }
```

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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