

Converting Colors

CIELCh(49, 5.692, 30.804)

Have a look what the booklet for
CIELCh(49, 5.692, 30.804) contains.

CIELCh(49, 5.522, 32.132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 5.522, 32.132)

Conversions

Conversions Part 1

Format	Color
Hex	7F7270
RGB	127, 114, 112
RGB Percent	50%, 45%, 44%
CMY	0.5035, 0.5544, 0.5622
CMYK	0.00, 0.10, 0.12, 0.50
HSL	8°, 6%, 47%
HSV	8°, 12%, 50%
XYZ	17.5740, 17.5941, 17.6899
YIQ	117.6590, 8.3900, 2.1340

Conversions

Conversions Part 2

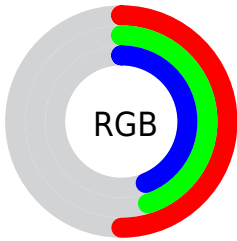
Format	Color
R_{YB}	127, 114, 112
Decimal	8352368
CIE _{Lab}	49.00, 4.68, 2.94
CIE _{LCh}	49, 5.522, 32.132
Yxy	17.5941, 0.3325, 0.3329
Android (android.graphics.Color)	4286542448 (0xFF7F7270)
YUV	117.6590, -2.7899, 8.1921
Hunter-Lab	41.9453, 1.3827, 4.3568

Details

The CIELCh color $49, 5.522, 32.132$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 5.128, 212.129$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.504, 31.218$, and $29, 5.688, 33.214$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.601, 32.436$, and if you desaturate by 10%, it is $52, 0.824, 31.608$.

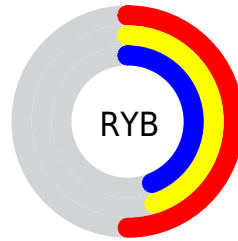
Distribution



Red (50%)

Green (45%)

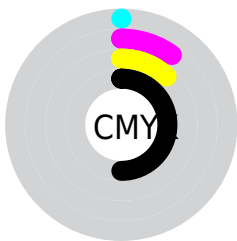
Blue (44%)



Red (50%)

Yellow (45%)

Blue (44%)

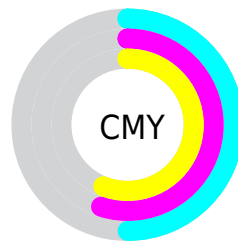


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.522, 32.132 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 49, 5.522, 32.132 by changing the saturation by 10% instead.

 49, 5.522, 32.132  49, 5.522, 32.132

 100, 5.522, 32.132  39, 5.522, 32.132


 69, 5.522, 32.132  29, 5.522, 32.132

 79, 5.522, 32.132  19, 5.522, 32.132

 89, 5.522, 32.132  9, 5.522, 32.132

 99, 5.522, 32.132  0, 5.522, 32.132

 49, 5.522, 32.132  49, 5.522, 32.132

 46, 10.601, 32.436  52, 0.824, 31.608

 42, 16.088, 32.860  56, 3.523, 212.163

 39, 21.989, 33.482  59, 7.554, 212.134

36, 28.286, 34.352

63, 11.303,
212.200

34, 34.920, 35.516

66, 14.804,
212.312

31, 41.767, 36.990

29, 48.583, 38.698

70, 18.087,
212.456

27, 54.795, 40.261

73, 21.177,
212.621

26, 58.829, 41.178

77, 24.099,
212.801

80, 26.872,
212.989

Harmonies

Complementary

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



49, 5.522, 32.132



51, 5.128, 212.129

Rectangle

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



49, 5.522, 32.132



49, 5.522, 82.132



49, 5.522, 212.132



49, 5.522, 262.132

Sweetspot

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



49, 5.521, 32.148



66, 2.255, 31.895



49, 9.736, 328.956



35, 1.619, 31.933



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 5.521, 32.148



62, 8.220, 32.212



51, 5.954, 86.905



25, 2.615, 32.079



27, 59.182, 41.212



0, 0.000, 0.000

Inverse Universe

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



51, 5.128, 212.129



65, 7.507, 212.130



49, 5.920, 269.926



26, 2.472, 212.144



42, 26.235, 220.256



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 5.522, 32.132 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 49, 5.522, 32.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

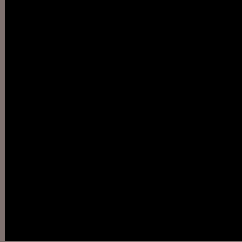
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.522, 32.132

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.522, 32.132.



This preview shows how white text looks on a background with the CIELCh color 49, 5.522, 32.132.

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

49, 5.522, 32.132

Protanopia

49, 2.131, 74.721

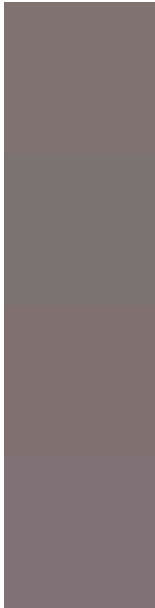
Deuteranopia

49, 6.686, 25.118



Tritanopia
49, 8.372, 341.352

Trichromacy



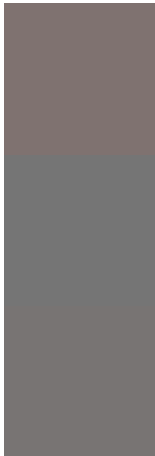
Original Color
49, 5.522, 32.132

Protanomaly
49, 3.099, 41.753

Deuteranomaly
49, 6.264, 25.407

Tritanomaly
49, 6.428, 353.067

Monochromacy



Original Color
49, 5.522, 32.132

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.725, 39.180

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 49, 5.522, 32.132 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(127, 114, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 114, 112)  
}
```

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(127, 114, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 114, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.522, 32.132 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(127, 114, 112) }
```

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

```
.border{ border-color:rgb(127, 114, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 114, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 114, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 114, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 114,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.522, 32.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 114, 112) }
```

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

```
.background{ background-color: rgb(127,  
114, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor