

Converting Colors

CIELCh(49, 22.297, 100.357)

Have a look what the booklet for
CIELCh(49, 22.297, 100.357)
contains.

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Color

CIELCh(49, 22.177, 100.193)

Conversions

Conversions Part 1

Format	Color
Hex	7B754F
RGB	123, 117, 79
RGB Percent	48%, 46%, 31%
CMY	0.5164, 0.5400, 0.6891
CMYK	0.00, 0.05, 0.36, 0.52
HSL	52°, 22%, 40%
HSV	52°, 36%, 48%
XYZ	16.0297, 17.5941, 10.0022
YIQ	114.4620, 15.7740, -10.5460

Conversions

Conversions Part 2

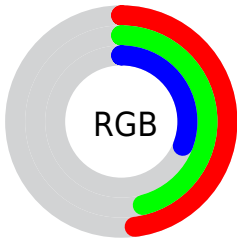
Format	Color
R_{YB}	86, 123, 79
Decimal	8090959
CIE _{Lab}	49.00, -3.92, 21.83
CIE _{LCh}	49, 22.177, 100.193
Yxy	17.5941, 0.3674, 0.4033
Android (android.graphics.Color)	4286281039 (0xFF7B754F)
YUV	114.4620, -17.4828, 7.4878
Hunter-Lab	41.9453, -5.1892, 15.2235

Details

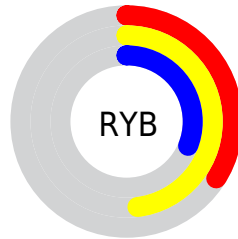
The CIELCh color $49, 22.177, 100.193$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 23.507, 288.751$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 21.955, 100.379$, and $29, 21.987, 100.569$ is the 20% darker color. If you saturate the color by 10%, you get $48, 28.251, 99.114$, and if you desaturate by 10%, it is $50, 15.994, 101.276$.

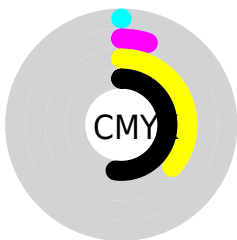
Distribution



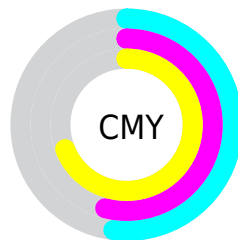
- Red (48%)
- Green (46%)
- Blue (31%)



- Red (34%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)
- Black (52%)




- Cyan (52%)
- Magenta (54%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.177, 100.193 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, 22.177, 100.193 by changing the saturation by 10% instead.


 49, 22.177,
100.193


 49, 22.177,
100.193


 100, 22.177,
100.193


 39, 22.177,
100.193

 69, 22.177,
100.193


 29, 22.177,
100.193

 79, 22.177,
100.193

 19, 22.177,
100.193

 89, 22.177,
100.193

 9, 22.177, 100.193

 99, 22.177,
100.193

 0, 22.177, 100.193

 49, 22.177,

 49, 22.177,

100.193

■ 48, 28.251, 99.114

■ 48, 34.102, 98.036

■ 47, 39.556, 96.976

■ 46, 44.348, 95.943

■ 46, 48.123, 94.939

■ 45, 50.659, 93.954

■ 45, 51.715, 93.544

100.193

■ 50, 15.994,
101.276

■ 50, 9.767, 102.338

■ 51, 3.537, 103.365

■ 52, 2.672, 284.435

■ 53, 8.845, 285.391

■ 54, 14.975,
286.326

■ 55, 21.058,
287.223

■ 56, 27.089,
288.078

■ 57, 33.068,
288.891

Harmonies

Complementary

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



49, 22.177, 100.193



37, 23.507, 288.751

Rectangle

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



49, 22.177, 100.193



49, 22.177, 150.193



49, 22.177, 280.193



49, 22.177, 330.193

Sweetspot

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



49, 22.178, 100.197



65, 8.489, 102.800



39, 19.852, 11.023



34, 5.750, 102.687



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 22.178, 100.197



62, 33.040, 99.293



49, 26.160, 121.823



25, 3.478, 103.027



46, 52.205, 93.530



87, 87.515, 92.966

Inverse Universe

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



37, 23.507, 288.751



44, 35.680, 290.285



37, 27.918, 305.830



24, 3.529, 284.966



15, 71.497, 303.499



34, 124.902, 304.574

Previews

White Background



This preview shows how the CIELCh color 49, 22.177, 100.193 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 CIELCh color 49, 22.177, 100.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

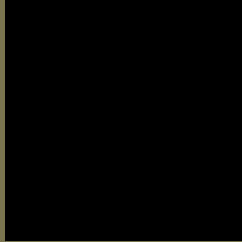
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.177, 100.193

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.177, 100.193.



This preview shows how white text looks on a background with the CIELCh color 49, 22.177, 100.193.

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, 22.177, 100.193

Protanopia

49, 21.963, 95.367

Deuteranopia

49, 21.952, 72.119



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 22.177, 100.193

Protanomaly
49, 21.868, 96.533

Deuteranomaly
49, 21.421, 82.364

Tritanomaly
49, 6.907, 62.309

Monochromacy



Original Color
49, 22.177, 100.193

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.229, 103.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.177, 100.193 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(123, 117, 79)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 79)  
}
```

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(123, 117, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.177, 100.193 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(123, 117, 79) }
```

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

```
.border{ border-color:rgb(123, 117, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 79);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.177, 100.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 79) }
```

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

```
.background{ background-color: rgb(123,  
117, 79) }
```

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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