

Converting Colors

CIELCh(49, 19.832, 107.530)

Have a look what the booklet for
CIELCh(49, 19.832, 107.530)
contains.

CIELCh(49, 19.707, 107.525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 19.707, 107.525)

Conversions

Conversions Part 1

Format	Color
Hex	767654
RGB	118, 118, 84
RGB Percent	46%, 46%, 33%
CMY	0.5355, 0.5355, 0.6689
CMYK	0.00, 0.00, 0.29, 0.54
HSL	60°, 17%, 40%
HSV	60°, 29%, 46%
XYZ	15.6824, 17.5941, 11.0456
YIQ	114.1240, 10.9140, -10.5740

Conversions

Conversions Part 2

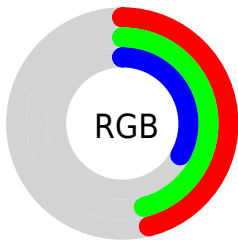
Format	Color
RYB	84, 118, 84
Decimal	7763540
CIELab	49.00, -5.93, 18.79
CIELCh	49, 19.707, 107.525
Yxy	17.5941, 0.3538, 0.3970
Android (android.graphics.Color)	4285953620 (0xFF767654)
YUV	114.1240, -14.8511, 3.3993
Hunter-Lab	41.9453, -6.6671, 13.7487

Details

The CIELCh color $49, 19.707, 107.525$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 21.043, 293.470$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 19.596, 106.974$, and $29, 20.075, 107.710$ is the 20% darker color. If you saturate the color by 10%, you get $49, 26.367, 106.622$, and if you desaturate by 10%, it is $49, 12.907, 108.451$.

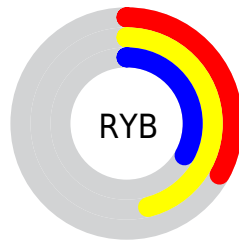
Distribution



Red (46%)

Green (46%)

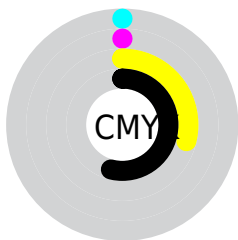
Blue (33%)



Red (33%)

Yellow (46%)

Blue (33%)

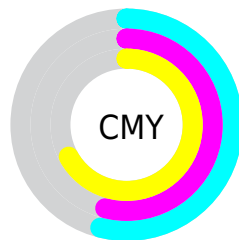


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 19.707, 107.525 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, 19.707, 107.525 by changing the saturation by 10% instead.


 49, 19.707,
107.525


 49, 19.707,
107.525


 100, 19.707,
107.525


 39, 19.707,
107.525

 69, 19.707,
107.525


 29, 19.707,
107.525

 79, 19.707,
107.525

 19, 19.707,
107.525


 89, 19.707,
107.525

 9, 19.707, 107.525

 99, 19.707,
107.525

 0, 19.707, 107.525

 49, 19.707,

 49, 19.707,

107.525

107.525

■ 49, 26.367,
106.622

■ 49, 12.907,
108.451

■ 49, 32.786,
105.751

■ 50, 6.027, 109.371

■ 48, 38.820,
104.941

■ 50, 0.890, 290.340

■ 50, 7.816, 291.189

■ 48, 44.258,
104.222

■ 51, 14.731,
292.050

■ 48, 48.826,
103.629

■ 51, 21.622,
292.881

■ 48, 52.226,
103.195

■ 52, 28.479,
293.675

■ 48, 54.666,
102.888

■ 52, 35.293,
294.431

■ 48, 54.985,
102.848

■ 53, 42.058,

Harmonies

Complementary

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



49, 19.707, 107.525



37, 21.043, 293.470

Rectangle

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



49, 19.707, 107.525



49, 19.707, 157.525



49, 19.707, 287.525



49, 19.707, 337.525

Sweetspot

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



49, 19.708, 107.529



63, 7.666, 109.326



39, 15.190, 20.322



32, 5.295, 109.218



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 19.708, 107.529



62, 28.644, 106.972



48, 21.057, 127.204



25, 3.857, 109.344



50, 56.290, 102.848



95, 95.433, 102.848

Inverse Universe

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



37, 21.043, 293.470



45, 31.099, 294.380



39, 21.905, 309.832



22, 3.936, 291.061



12, 77.726, 306.286



32, 131.780, 306.287

Previews

White Background



This preview shows how the CIELCh color 49, 19.707, 107.525 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, 19.707, 107.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

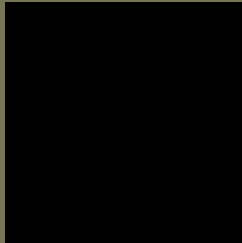
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 19.707, 107.525

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.707, 107.525.



This preview shows how white text looks on a background with the CIELCh color 49, 19.707, 107.525.

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

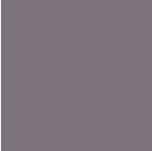
49, 19.707, 107.525

Protanopia

49, 19.622, 95.710

Deuteranopia

49, 19.390, 70.876



Tritanopia
49, 5.952, 327.984

Trichromacy



Original Color
49, 19.707, 107.525

Protanomaly
49, 19.351, 99.644

Deuteranomaly
49, 18.647, 83.685

Tritanomaly
49, 5.112, 85.471

Monochromacy



Original Color
49, 19.707, 107.525

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 7.024, 109.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.707, 107.525 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(118, 118, 84)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 84)  
}
```

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(118, 118, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.707, 107.525 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(118, 118, 84) }
```

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

```
.border{ border-color:rgb(118, 118, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 84);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.707, 107.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 84) }
```

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

```
.background{ background-color: rgb(118,  
118, 84) }
```

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