

Converting Colors

CIELCh(49, 5.102, 20.970)

Have a look what the booklet for
CIELCh(49, 5.102, 20.970) contains.

CIELCh(49, 4.994, 26.606)	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, 4.994, 26.606)

Conversions

Conversions Part 1

Format	Color
Hex	7E7271
RGB	126, 114, 113
RGB Percent	49%, 45%, 44%
CMY	0.5067, 0.5538, 0.5577
CMYK	0.00, 0.10, 0.10, 0.51
HSL	5°, 5%, 47%
HSV	5°, 10%, 49%
XYZ	17.5350, 17.5941, 18.0327
YIQ	117.4740, 7.4730, 2.2330

Conversions

Conversions Part 2

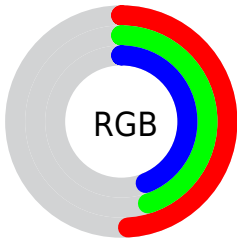
Format	Color
RYB	126, 114, 113
Decimal	8286833
CIELab	49.00, 4.47, 2.24
CIElCh	49, 4.994, 26.606
Yxy	17.5941, 0.3298, 0.3310
Android (android.graphics.Color)	4286476913 (0xFF7E7271)
YUV	117.4740, -2.2057, 7.4773
Hunter-Lab	41.9453, 1.2166, 3.8723

Details

The CIELCh color $49, 4.994, 26.606$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 4.683, 206.166$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.024, 25.983$, and $29, 5.082, 27.407$ is the 20% darker color. If you saturate the color by 10%, you get $45, 10.221, 27.146$, and if you desaturate by 10%, it is $53, 0.154, 23.786$.

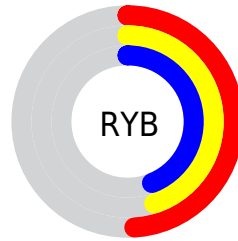
Distribution



Red (49%)

Green (45%)

Blue (44%)



Red (49%)

Yellow (45%)

Blue (44%)

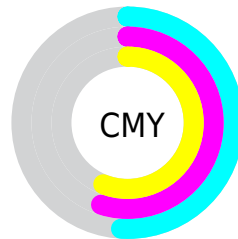


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (51%)



Cyan (51%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.994, 26.606 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, 4.994, 26.606 by changing the saturation by 10% instead.

 49, 4.994, 26.606	 49, 4.994, 26.606
 100, 4.994, 26.606	 39, 4.994, 26.606
 69, 4.994, 26.606	 29, 4.994, 26.606
 79, 4.994, 26.606	 19, 4.994, 26.606
 89, 4.994, 26.606	 9, 4.994, 26.606
 99, 4.994, 26.606	 0, 4.994, 26.606

 49, 4.994, 26.606	 49, 4.994, 26.606
 45, 10.221, 27.146	 53, 0.154, 23.786
 42, 15.857, 27.824	 56, 4.326, 206.211
 39, 21.900, 28.732	 60, 8.481, 206.009

36, 28.316, 29.936

64, 12.347,
205.896

33, 35.027, 31.502

67, 15.957,
205.838

30, 41.893, 33.473

28, 48.679, 35.805

71, 19.341,
205.817

27, 54.884, 38.161

75, 22.527,
205.823

26, 59.355, 39.794

78, 25.540,
205.851

82, 28.399,
205.893

Harmonies

Complementary

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



49, 4.994, 26.606



51, 4.683, 206.166

Rectangle

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



49, 4.994, 26.606



49, 4.994, 76.606



49, 4.994, 206.606



49, 4.994, 256.606

Sweetspot

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



49, 4.993, 26.623



66, 1.744, 26.166



49, 8.843, 326.823



34, 1.319, 26.242



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, 4.993, 26.623



62, 7.232, 26.718



51, 4.861, 80.981



25, 2.741, 26.563



26, 60.046, 39.877



0, 0.000, 0.000

Inverse Universe

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



51, 4.683, 206.166



65, 6.697, 206.111



50, 4.797, 263.651



26, 2.591, 206.204



45, 27.300, 209.243



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 4.994, 26.606 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, 4.994, 26.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

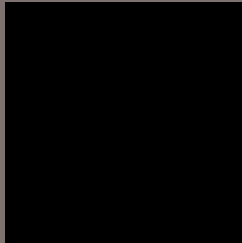
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 4.994, 26.606

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.994, 26.606.



This preview shows how white text looks on a background with the CIELCh color 49, 4.994, 26.606.

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, 4.994, 26.606

Protanopia

49, 1.683, 63.310

Deuteranopia

49, 6.640, 20.129



Tritanopia
49, 8.062, 339.462

Trichromacy



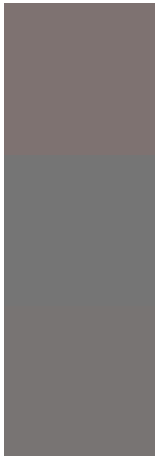
Original Color
49, 4.994, 26.606

Protanomaly
49, 2.520, 32.956

Deuteranomaly
49, 6.217, 20.075

Tritanomaly
49, 6.428, 353.067

Monochromacy



Original Color
49, 4.994, 26.606

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, 4.994, 26.606 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(126, 114, 113)` looks like.

```
.text, #text, p{  
    color:rgb(126, 114, 113)  
}
```

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(126, 114, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 114, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.994, 26.606 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(126, 114, 113) }
```

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

```
.border{ border-color:rgb(126, 114, 113) }
```

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

Here you see how a box with a 4 pixel rgb(126, 114, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 114, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 114, 113);  
box-shadow:4px 4px 4px 4px rgb(126, 114,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.994, 26.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 114, 113) }
```

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

```
.background{ background-color: rgb(126,  
114, 113) }
```

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