

Converting Colors

CIELCh(50, 4.579, 23.464)

Have a look what the booklet for
CIELCh(50, 4.579, 23.464) contains.

CIELCh(50, 4.930, 19.896)	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(50, 4.930, 19.896)

Conversions

Conversions Part 1

Format	Color
Hex	807474
RGB	128, 116, 116
RGB Percent	50%, 45%, 45%
CMY	0.4971, 0.5442, 0.5442
CMYK	0.00, 0.09, 0.09, 0.50
HSL	0°, 5%, 48%
HSV	0°, 9%, 50%
XYZ	18.3762, 18.4187, 19.1807
YIQ	119.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

Format	Color
R_{YB}	128, 116, 116
Decimal	8418420
CIE _{Lab}	50.00, 4.64, 1.68
CIE _{LCh}	50, 4.930, 19.896
Yxy	18.4187, 0.3283, 0.3290
Android (android.graphics.Color)	4286608500 (0xFF807474)
YUV	119.5880, -1.7689, 7.3773
Hunter-Lab	42.9170, 1.3256, 3.5436

Details

The CIELCh color $50, 4.930, 19.896$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 4.658, 199.018$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.975, 19.744$, and $30, 4.988, 20.184$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.587, 20.717$, and if you desaturate by 10%, it is $54, 0.323, 200.628$.

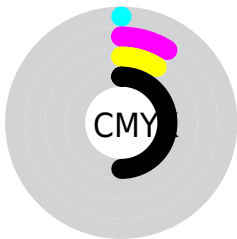
Distribution



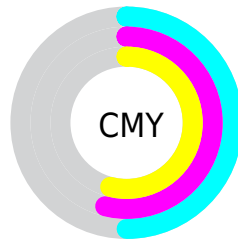
- Red (50%)
- Green (45%)
- Blue (45%)



- Red (50%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (9%)
- Yellow (9%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.930, 19.896 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 50, 4.930, 19.896 by changing the saturation by 10% instead.

 50, 4.930, 19.896	 50, 4.930, 19.896
 100, 4.930, 19.896	 40, 4.930, 19.896
 70, 4.930, 19.896	 30, 4.930, 19.896
 80, 4.930, 19.896	 20, 4.930, 19.896
 90, 4.930, 19.896	 10, 4.930, 19.896
	 0, 4.930, 19.896

 50, 4.930, 19.896	 50, 4.930, 19.896
 46, 10.587, 20.717	 54, 0.323, 200.628
 42, 16.660, 21.711	 58, 5.193, 198.997
 39, 23.122, 22.987	 62, 9.715, 198.583

■ 36, 29.906, 24.635

■ 66, 13.926,
198.264

■ 33, 36.884, 26.756

■ 70, 17.861,
198.008

■ 30, 43.868, 29.429

■ 28, 50.599, 32.632

■ 74, 21.555,
197.799

■ 27, 56.632, 36.037

■ 78, 25.036,
197.626

■ 26, 61.111, 38.275

■ 82, 28.330,
197.481

■ 86, 31.462,
197.359

Harmonies

Complementary

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



50, 4.930, 19.896



53, 4.658, 199.018

Rectangle

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



50, 4.930, 19.896



50, 4.930, 69.896



50, 4.930, 199.896



50, 4.930, 249.896

Sweetspot

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



50, 4.929, 19.912



67, 1.903, 19.347



50, 8.516, 324.912



35, 1.458, 19.440



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 4.929, 19.912



63, 7.195, 20.056



52, 4.250, 74.265



25, 2.950, 19.891



25, 61.098, 38.351



0, 0.000, 0.000

Inverse Universe

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



53, 4.658, 199.018



67, 6.719, 198.909



51, 4.163, 256.647



26, 2.793, 199.034



48, 29.969, 196.417



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 4.930, 19.896 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 50, 4.930, 19.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

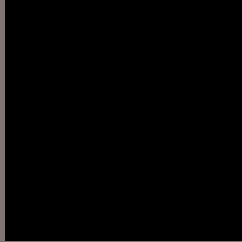
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 4.930, 19.896

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.930, 19.896.



This preview shows how white text looks on a background with the CIELCh color 50, 4.930, 19.896.

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

50, 4.930, 19.896

Protanopia

50, 1.342, 45.007

Deuteranopia

50, 6.623, 15.092



Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 4.930, 19.896

Protanomaly
50, 2.852, 19.599

Deuteranomaly
50, 6.206, 14.695

Tritanomaly
50, 6.685, 348.575

Monochromacy



Original Color
50, 4.930, 19.896

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.617, 19.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.930, 19.896 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, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(128, 116, 116)  
}
```

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, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 116, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.930, 19.896 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, 116, 116) }
```

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

```
.border{ border-color:rgb(128, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(128, 116,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.930, 19.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 116, 116) }
```

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

```
.background{ background-color: rgb(128,  
116, 116) }
```

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