

Converting Colors

CIELCh(48, 4.944, 91.187)

Have a look what the booklet for
CIELCh(48, 4.944, 91.187) contains.

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Color

CIELCh(48, 4.851, 94.576)

Conversions

Conversions Part 1

Format	Color
Hex	75726A
RGB	117, 114, 106
RGB Percent	46%, 45%, 42%
CMY	0.5420, 0.5537, 0.5851
CMYK	0.00, 0.03, 0.09, 0.54
HSL	44°, 5%, 44%
HSV	44°, 9%, 46%
XYZ	15.8955, 16.7945, 15.9861
YIQ	113.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

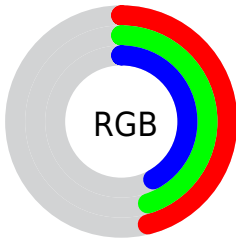
Format	Color
R_{YB}	110, 117, 106
Decimal	7697002
CIE Lab	48.00, -0.39, 4.84
CIE LCh	48, 4.851, 94.576
Yxy	16.7945, 0.3266, 0.3450
Android (android.graphics.Color)	4285887082 (0xFF75726A)
YUV	113.9850, -3.9366, 2.6442
Hunter-Lab	40.9810, -2.4811, 5.5586

Details

The CIELCh color $48, 4.851, 94.576$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 4.879, 276.840$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 5.060, 96.381$, and $28, 4.716, 92.105$ is the 20% darker color. If you saturate the color by 10%, you get $47, 10.080, 93.431$, and if you desaturate by 10%, it is $49, 0.306, 276.196$.

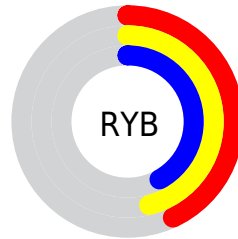
Distribution



Red (46%)

Green (45%)

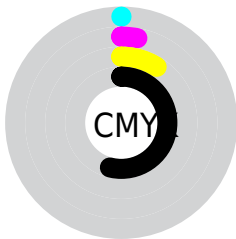
Blue (42%)



Red (43%)

Yellow (46%)

Blue (42%)

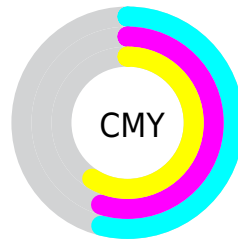


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (55%)









Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.851, 94.576 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 48, 4.851, 94.576 by changing the saturation by 10% instead.

 48, 4.851, 94.576	 48, 4.851, 94.576
 100, 4.851, 94.576	 38, 4.851, 94.576
 68, 4.851, 94.576	 28, 4.851, 94.576
 78, 4.851, 94.576	 18, 4.851, 94.576
 88, 4.851, 94.576	 8, 4.851, 94.576
 98, 4.851, 94.576	 0, 4.851, 94.576

 48, 4.851, 94.576	 48, 4.851, 94.576
 47, 10.080, 93.431	 49, 0.306, 276.196
 46, 15.367, 92.225	 50, 5.390, 276.872
 44, 20.685, 90.985	 52, 10.399,

43, 25.983, 89.713	277.907
42, 31.170, 88.407	53, 15.336, 278.904
41, 36.083, 87.055	54, 20.204, 279.855
40, 40.460, 85.625	56, 25.007, 280.759
39, 43.916, 84.052	57, 29.750, 281.618
38, 46.741, 82.425	58, 34.435, 282.431
	60, 39.066, 283.200

Harmonies

Complementary

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



48, 4.851, 94.576



46, 4.879, 276.840

Rectangle

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



48, 4.851, 94.576



48, 4.851, 144.576



48, 4.851, 274.576



48, 4.851, 324.576

Sweetspot

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



48, 4.852, 94.591



63, 1.915, 95.257



46, 4.917, 357.911



32, 1.445, 95.193



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 4.852, 94.591



62, 7.083, 94.379



49, 6.517, 118.050



24, 2.910, 94.633



40, 48.511, 82.220



78, 81.941, 80.873

Inverse Universe

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



46, 4.879, 276.840



59, 7.125, 277.077



45, 6.645, 299.250



23, 2.926, 276.793



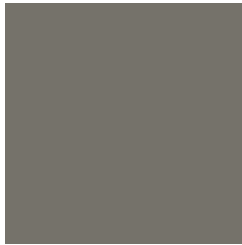
18, 59.993, 298.465



40, 107.376, 300.238

Previews

White Background



This preview shows how the CIELCh color 48, 4.851, 94.576 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 48, 4.851, 94.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

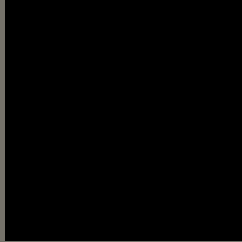
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

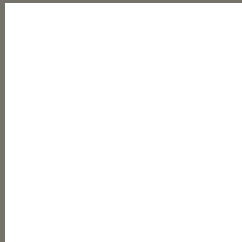
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.851, 94.576

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.851, 94.576.



This preview shows how white text looks on a background with the CIELCh color 48, 4.851, 94.576.

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

48, 4.851, 94.576

Protanopia

48, 4.603, 82.603

Deuteranopia

48, 7.808, 33.203



Tritanopia
48, 5.518, 321.276

Trichromacy



Original Color
48, 4.851, 94.576

Protanomaly
48, 4.603, 82.603

Deuteranomaly
48, 5.947, 43.134

Tritanomaly
48, 2.361, 349.644

Monochromacy



Original Color
48, 4.851, 94.576

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.801, 96.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.851, 94.576 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(117, 114, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 114, 106)  
}
```

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(117, 114, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 114, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.851, 94.576 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(117, 114, 106) }
```

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

```
.border{ border-color:rgb(117, 114, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 114, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 114, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 114, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 114,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.851, 94.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 114, 106) }
```

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

```
.background{ background-color: rgb(117,  
114, 106) }
```

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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