

Converting Colors

CIELCh(50, 5.985, 101.263)

Have a look what the booklet for
CIELCh(50, 5.985, 101.263) contains.

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Color

CIELCh(50, 5.879, 101.276)

Conversions

Conversions Part 1

Format	Color
Hex	79776D
RGB	121, 119, 109
RGB Percent	47%, 47%, 43%
CMY	0.5248, 0.5327, 0.5719
CMYK	0.00, 0.02, 0.10, 0.52
HSL	50°, 5%, 45%
HSV	50°, 10%, 48%
XYZ	17.2950, 18.4187, 17.1583
YIQ	118.4580, 4.4020, -2.6860

Conversions

Conversions Part 2

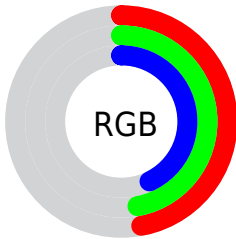
Format	Color
RYB	111, 121, 109
Decimal	7960429
CIELab	50.00, -1.15, 5.77
CIELCh	50, 5.879, 101.276
Yxy	18.4187, 0.3271, 0.3484
Android (android.graphics.Color)	4286150509 (0xFF79776D)
YUV	118.4580, -4.6628, 2.2293
Hunter-Lab	42.9170, -3.1714, 6.3376

Details

The CIELCh color **50, 5.879, 101.276** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 5.961, 283.463**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 6.042, 102.217**, and **30, 5.748, 104.503** is the 20% darker color. If you saturate the color by 10%, you get **49, 11.847, 100.215**, and if you desaturate by 10%, it is **51, 0.062, 283.909**.

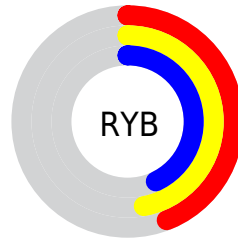
Distribution



Red (47%)

Green (47%)

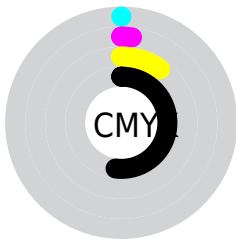
Blue (43%)



Red (44%)

Yellow (47%)

Blue (43%)

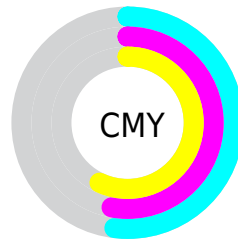


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (52%)



Cyan (52%)

Magenta (53%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.879, 101.276 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, 5.879, 101.276 by changing the saturation by 10% instead.

■ 50, 5.879, 101.276

■ 50, 5.879, 101.276

■ 100, 5.879,
101.276

■ 40, 5.879, 101.276

■ 70, 5.879, 101.276

■ 30, 5.879, 101.276

■ 80, 5.879, 101.276

■ 20, 5.879, 101.276

■ 90, 5.879, 101.276

■ 10, 5.879, 101.276

■ 0, 5.879, 101.276

■ 50, 5.879, 101.276

■ 50, 5.879, 101.276

■ 49, 11.847,
100.215

■ 51, 0.062, 283.909

■ 48, 17.813, 99.113

■ 52, 5.964, 283.386

■ 53, 11.819,

47, 23.733, 97.993	284.355
47, 29.532, 96.865	54, 17.623, 285.286
46, 35.083, 95.736	55, 23.373, 286.176
45, 40.187, 94.611	56, 29.070, 287.022
45, 44.545, 93.490	57, 34.712, 287.824
44, 47.778, 92.357	58, 40.302, 288.584
43, 50.222, 91.229	59, 45.840, 289.302

Harmonies

Complementary

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



50, 5.879, 101.276



47, 5.961, 283.463

Rectangle

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



50, 5.879, 101.276



50, 5.879, 151.276



50, 5.879, 281.276



50, 5.879, 331.276

Sweetspot

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



50, 5.880, 101.288



65, 2.204, 101.973



47, 5.101, 6.621



33, 1.663, 101.908



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 5.880, 101.288



64, 8.863, 101.035



50, 7.187, 122.544



25, 3.370, 101.375



45, 51.354, 91.177



86, 86.055, 90.458

Inverse Universe

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



47, 5.961, 283.463



59, 9.008, 283.751



47, 7.317, 303.574



24, 3.414, 283.366



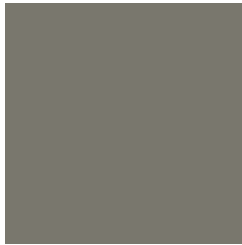
16, 69.464, 302.642



35, 121.898, 303.872

Previews

White Background



This preview shows how the CIELCh color 50, 5.879, 101.276 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 5.879, 101.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

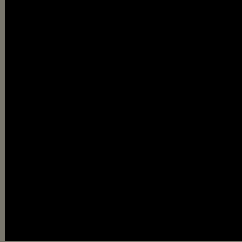
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 5.879, 101.276

Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.879, 101.276.

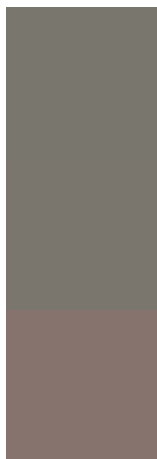


This preview shows how white text looks on a background with the CIELCh color 50, 5.879, 101.276.

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, 5.879, 101.276

Protanopia

50, 5.637, 87.776

Deuteranopia

50, 8.534, 40.070



Tritanopia
50, 5.985, 318.415

Trichromacy



Original Color
50, 5.879, 101.276

Protanomaly
50, 5.497, 91.846

Deuteranomaly
50, 6.475, 58.699

Tritanomaly
50, 2.343, 349.626

Monochromacy



Original Color
50, 5.879, 101.276

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.360, 99.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 5.879, 101.276 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(121, 119, 109)` looks like.

```
.text, #text, p{  
    color:rgb(121, 119, 109)  
}
```

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(121, 119, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 119, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 5.879, 101.276 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(121, 119, 109) }
```

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

```
.border{ border-color:rgb(121, 119, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 119, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 119, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 119, 109); box-shadow:4px 4px 4px 4px rgb(121, 119, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 5.879, 101.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 119, 109) }
```

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

```
.background{ background-color: rgb(121,  
119, 109) }
```

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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