

Converting Colors

CIELCh(52, 4.722, 90.662)

Have a look what the booklet for
CIELCh(52, 4.722, 90.662) contains.

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Color

CIELCh(52, 4.777, 94.651)

Conversions

Conversions Part 1

Format	Color
Hex	7F7C74
RGB	127, 124, 116
RGB Percent	50%, 49%, 45%
CMY	0.5025, 0.5142, 0.5456
CMYK	0.00, 0.02, 0.09, 0.50
HSL	44°, 5%, 48%
HSV	44°, 9%, 50%
XYZ	19.0708, 20.1443, 19.3686
YIQ	123.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

Format	Color
RYB	120, 127, 116
Decimal	8354932
CIELab	52.00, -0.39, 4.76
CIELCh	52, 4.777, 94.651
Yxy	20.1443, 0.3255, 0.3439
Android (android.graphics.Color)	4286545012 (0xFF7F7C74)
YUV	123.9850, -3.9366, 2.6442
Hunter-Lab	44.8824, -2.6987, 5.8317

Details

The CIELCh color $52, 4.777, 94.651$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 4.805, 276.757$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 4.587, 90.264$, and $32, 4.614, 92.260$ is the 20% darker color. If you saturate the color by 10%, you get $51, 10.369, 93.501$, and if you desaturate by 10%, it is $53, 0.737, 276.034$.

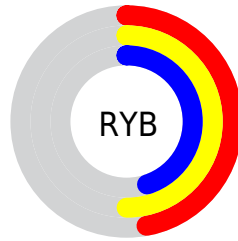
Distribution



Red (50%)

Green (49%)

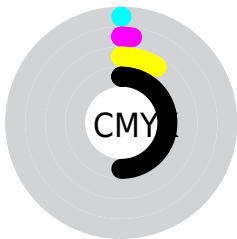
Blue (45%)



Red (47%)

Yellow (50%)

Blue (45%)

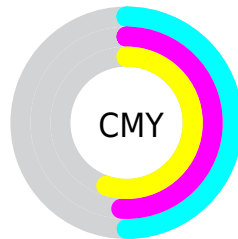


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (50%)



Cyan (50%)

Magenta (51%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 4.777, 94.651 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 52, 4.777, 94.651 by changing the saturation by 10% instead.

■ 52, 4.777, 94.651 ■ 52, 4.777, 94.651

■ 100, 4.777, 94.651 ■ 42, 4.777, 94.651

■ 72, 4.777, 94.651 ■ 32, 4.777, 94.651

■ 82, 4.777, 94.651 ■ 22, 4.777, 94.651

■ 92, 4.777, 94.651 ■ 12, 4.777, 94.651

■ 2, 4.777, 94.651

■ 0, 4.777, 94.651

■ 52, 4.777, 94.651 ■ 52, 4.777, 94.651

■ 51, 10.369, 93.501 ■ 53, 0.737, 276.034

■ 49, 16.024, 92.287 ■ 55, 6.171, 276.961

48, 21.715, 91.038

56, 11.525,
278.002

47, 27.388, 89.756

57, 16.801,
279.003

46, 32.944, 88.440

45, 38.211, 87.078

59, 22.004,
279.957

44, 42.903, 85.636

60, 27.138,
280.864

43, 46.606, 84.050

42, 49.362, 82.342

62, 32.206,
281.725

63, 37.212,
282.539

65, 42.161,
283.309

Harmonies

Complementary

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



52, 4.777, 94.651



50, 4.805, 276.757

Rectangle

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



52, 4.777, 94.651



52, 4.777, 144.651



52, 4.777, 274.651



52, 4.777, 324.651

Sweetspot

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



52, 4.778, 94.667



68, 2.044, 95.256



50, 4.838, 357.842



35, 1.564, 95.189



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 4.778, 94.667



66, 6.868, 94.489



53, 6.422, 118.092



26, 3.121, 94.618



42, 49.941, 82.120



0, 0.000, 0.000

Inverse Universe

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



50, 4.805, 276.757



63, 6.908, 276.955



49, 6.540, 299.203



25, 3.138, 276.811



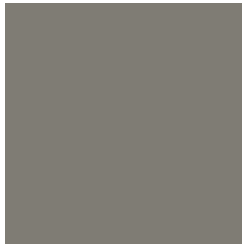
19, 62.043, 298.607



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 4.777, 94.651 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 52, 4.777, 94.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

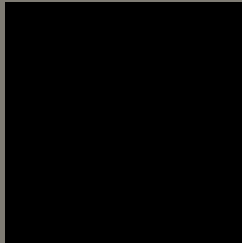
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

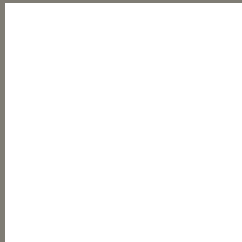
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 4.777, 94.651

Background



This preview shows how black text looks on a background with the CIELCh color 52, 4.777, 94.651.



This preview shows how white text looks on a background with the CIELCh color 52, 4.777, 94.651.

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


52, 4.777, 94.651

Protanopia

52, 4.531, 82.687

Deuteranopia

52, 8.083, 32.542



Tritanopia
52, 5.942, 318.404

Trichromacy



Original Color
52, 4.777, 94.651

Protanomaly
52, 4.531, 82.687

Deuteranomaly
52, 6.232, 41.661

Tritanomaly
52, 2.665, 338.810

Monochromacy



Original Color
52, 4.777, 94.651

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 1.774, 96.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 4.777, 94.651 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(127, 124, 116)` looks like.

```
.text, #text, p{  
    color:rgb(127, 124, 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(127, 124, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 124, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 4.777, 94.651 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(127, 124, 116) }
```

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

```
.border{ border-color:rgb(127, 124, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 124, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 124, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 124, 116);  
box-shadow:4px 4px 4px 4px rgb(127, 124,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 4.777, 94.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 124, 116) }
```

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

```
.background{ background-color: rgb(127,  
124, 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](#).

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