

Converting Colors

CIELCh(48, 2.528, 32.959)

Have a look what the booklet for
CIELCh(48, 2.528, 32.959) contains.

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Color

CIELCh(48, 2.528, 32.959)

Conversions

Conversions Part 1

Format	Color
Hex	777170
RGB	119, 113, 112
RGB Percent	47%, 44%, 44%
CMY	0.5347, 0.5582, 0.5621
CMYK	0.00, 0.05, 0.06, 0.53
HSL	9°, 3%, 45%
HSV	9°, 6%, 47%
XYZ	16.3337, 16.7945, 17.6110
YIQ	114.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

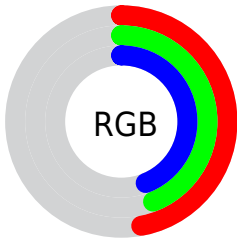
Format	Color
RYB	119, 113, 112
Decimal	7827824
CIELab	48.00, 2.12, 1.38
CIELCh	48, 2.528, 32.959
Yxy	16.7945, 0.3219, 0.3310
Android (android.graphics.Color)	4286017904 (0xFF777170)
YUV	114.6800, -1.3212, 3.7886
Hunter-Lab	40.9810, -0.5726, 3.2077

Details

The CIELCh color **48, 2.528, 32.959** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 2.440, 213.260**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 2.351, 32.888**, and **28, 2.801, 33.046** is the 20% darker color. If you saturate the color by 10%, you get **45, 7.089, 33.219**, and if you desaturate by 10%, it is **51, 1.694, 213.331**.

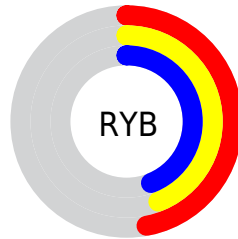
Distribution



Red (47%)

Green (44%)

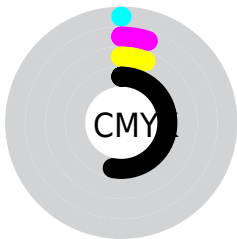
Blue (44%)



Red (47%)

Yellow (44%)

Blue (44%)

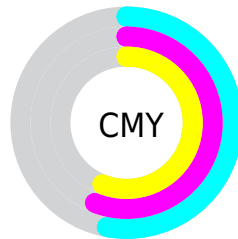


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 2.528, 32.959 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, 2.528, 32.959 by changing the saturation by 10% instead.

■ 48, 2.528, 32.959 ■ 48, 2.528, 32.959

■ 100, 2.528, 32.959 ■ 38, 2.528, 32.959

■ 68, 2.528, 32.959 ■ 28, 2.528, 32.959

■ 78, 2.528, 32.959 ■ 18, 2.528, 32.959

■ 88, 2.528, 32.959 ■ 8, 2.528, 32.959

■ 98, 2.528, 32.959 ■ 0, 2.528, 32.959

■ 48, 2.528, 32.959 ■ 48, 2.528, 32.959

■ 45, 7.089, 33.219 ■ 51, 1.694, 213.331

■ 42, 12.019, 33.502 ■ 54, 5.607, 213.218

■ 39, 17.336, 33.940 ■ 58, 9.244, 213.289

36, 23.042, 34.583

61, 12.638,
213.417

33, 29.109, 35.481

64, 15.815,
213.580

31, 35.467, 36.666

28, 41.971, 38.128

68, 18.804,
213.766

27, 48.331, 39.736

71, 21.625,
213.967

25, 53.580, 40.682

74, 24.301,
214.178

77, 26.847,
214.394

Harmonies

Complementary

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



48, 2.528, 32.959



49, 2.440, 213.260

Rectangle

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



48, 2.528, 32.959



48, 2.528, 82.959



48, 2.528, 212.959



48, 2.528, 262.959

Sweetspot

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



48, 2.527, 32.992



62, 1.039, 32.682



48, 4.581, 328.594



32, 0.587, 32.644



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, 2.527, 32.992



60, 3.714, 33.030



49, 2.788, 87.602



23, 1.922, 33.031



26, 56.966, 41.286



54, 100.327, 41.666

Inverse Universe

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



49, 2.440, 213.260



62, 3.557, 213.237



48, 2.789, 269.153



24, 1.840, 213.236



40, 25.392, 222.127



79, 42.960, 223.765

Previews

White Background



This preview shows how the CIELCh color 48, 2.528, 32.959 looks on a white background.

Color Contrast Check

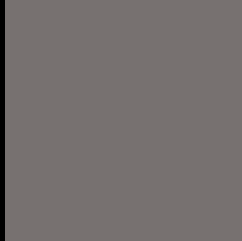
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.528, 32.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

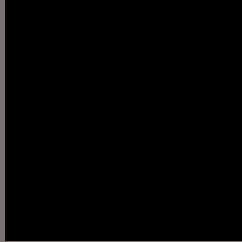
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 2.528, 32.959

Background



This preview shows how black text looks on a background with the CIELCh color 48, 2.528, 32.959.



This preview shows how white text looks on a background with the CIELCh color 48, 2.528, 32.959.

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, 2.528, 32.959

Protanopia

48, 1.353, 45.012

Deuteranopia

48, 6.737, 10.161



Tritanopia
48, 6.454, 324.806

Trichromacy



Original Color
48, 2.528, 32.959

Protanomaly
48, 1.733, 39.183

Deuteranomaly
48, 4.993, 13.189

Tritanomaly
48, 4.401, 337.893

Monochromacy



Original Color
48, 2.528, 32.959

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 0.996, 55.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 2.528, 32.959 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(119, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 112)  
}
```

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(119, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 2.528, 32.959 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(119, 113, 112) }
```

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

```
.border{ border-color:rgb(119, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 2.528, 32.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 112) }
```

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

```
.background{ background-color: rgb(119,  
113, 112) }
```

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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