

Converting Colors

CIELCh(50, 4.771, 320.709)

Have a look what the booklet for
CIELCh(50, 4.771, 320.709) contains.

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Color

CIELCh(50, 4.771, 320.709)

Conversions

Conversions Part 1

Format	Color
Hex	7B757C
RGB	123, 117, 124
RGB Percent	48%, 46%, 49%
CMY	0.5173, 0.5408, 0.5134
CMYK	0.01, 0.06, 0.00, 0.51
HSL	291°, 3%, 47%
HSV	291°, 6%, 49%
XYZ	18.1969, 18.4187, 21.6950
YIQ	119.5920, 1.3290, 3.4490

Conversions

Conversions Part 2

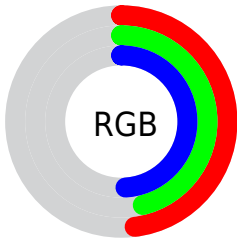
Format	Color
R_{YB}	123, 117, 124
Decimal	8091004
CIE Lab	50.00, 3.69, -3.02
CIE LCh	50, 4.771, 320.709
Yxy	18.4187, 0.3121, 0.3159
Android (android.graphics.Color)	4286281084 (0xFF7B757C)
YUV	119.5920, 2.1731, 2.9888
Hunter-Lab	42.9170, 0.5799, 0.0702

Details

The CIELCh color $50, 4.771, 320.709$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 4.750, 140.267$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.471, 320.628$, and $30, 4.439, 320.099$ is the 20% darker color. If you saturate the color by 10%, you get $46, 13.320, 321.176$, and if you desaturate by 10%, it is $54, 3.638, 140.347$.

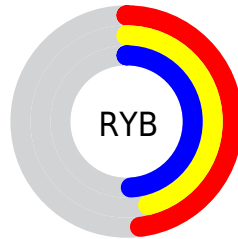
Distribution



Red (48%)

Green (46%)

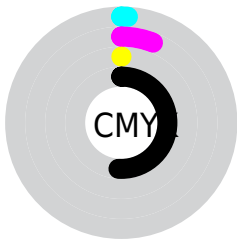
Blue (49%)



Red (48%)

Yellow (46%)

Blue (49%)

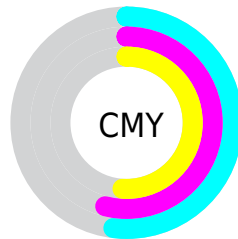


Cyan (1%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (52%)

Magenta (54%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.771, 320.709 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, 4.771, 320.709 by changing the saturation by 10% instead.

■ 50, 4.771, 320.709

■ 50, 4.771, 320.709

■ 100, 4.771,
320.709

■ 40, 4.771, 320.709

■ 70, 4.771, 320.709

■ 30, 4.771, 320.709

■ 80, 4.771, 320.709

■ 20, 4.771, 320.709

■ 90, 4.771, 320.709

■ 10, 4.771, 320.709

■ 0, 4.771, 320.709

■ 50, 4.771, 320.709

■ 50, 4.771, 320.709

■ 46, 13.320,
321.176

■ 54, 3.638, 140.347

■ 43, 21.935,
321.627

■ 57, 11.857,
139.896

40, 30.496,
322.060

61, 19.860,
139.491

36, 38.827,
322.458

65, 27.639,
139.113

34, 46.688,
322.799

69, 35.189,
138.762

31, 53.776,
323.053

72, 42.517,
138.436

29, 59.747,
323.190

76, 49.629,
138.136

27, 64.281,
323.178

80, 56.536,
137.861

26, 67.304,
323.009

83, 63.248,
137.609

Harmonies

Complementary

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



50, 4.771, 320.709



51, 4.750, 140.267

Rectangle

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



50, 4.771, 320.709



50, 4.771, 10.709



50, 4.771, 140.709



50, 4.771, 190.709

Sweetspot

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



50, 4.769, 320.708



65, 2.087, 320.491



50, 3.505, 283.876



34, 1.196, 320.477



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 4.769, 320.708



63, 7.320, 320.783



50, 3.893, 336.699



24, 3.772, 320.786



26, 68.869, 322.929



54, 116.032, 322.656

Inverse Universe

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



50, 2.907, 8.041



63, 4.476, 8.201



51, 3.872, 156.058



24, 2.307, 8.209



25, 55.853, 31.554



53, 96.817, 34.400

Previews

White Background



This preview shows how the CIELCh color 50, 4.771, 320.709 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, 4.771, 320.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

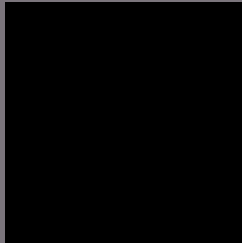
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

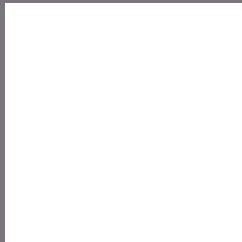
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 4.771, 320.709

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.771, 320.709.



This preview shows how white text looks on a background with the CIELCh color 50, 4.771, 320.709.

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, 4.771, 320.709

Protanopia

50, 4.127, 296.194

Deuteranopia

50, 7.439, 335.237



Tritanopia
50, 5.809, 314.931

Trichromacy



Original Color

50, 4.771, 320.709

Protanomaly

50, 4.188, 301.574

Deuteranomaly

50, 6.187, 330.964

Tritanomaly

50, 5.283, 317.528

Monochromacy



Original Color

50, 4.771, 320.709

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.430, 324.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.771, 320.709 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(123, 117, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 124)  
}
```

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(123, 117, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.771, 320.709 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(123, 117, 124) }
```

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

```
.border{ border-color:rgb(123, 117, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.771, 320.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 124) }
```

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

```
.background{ background-color: rgb(123,  
117, 124) }
```

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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