

Converting Colors

CIELCh(50, 6.666, 101.819)

Have a look what the booklet for
CIELCh(50, 6.666, 101.819) contains.

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Color

CIELCh(50, 6.456, 101.908)

Conversions

Conversions Part 1

Format	Color
Hex	79776C
RGB	121, 119, 108
RGB Percent	47%, 47%, 42%
CMY	0.5246, 0.5324, 0.5756
CMYK	0.00, 0.02, 0.11, 0.52
HSL	51°, 6%, 45%
HSV	51°, 11%, 48%
XYZ	17.2616, 18.4187, 16.8968
YIQ	118.3440, 4.7230, -2.9970

Conversions

Conversions Part 2

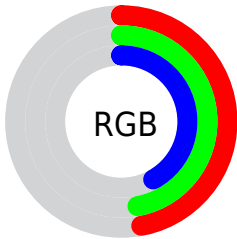
Format	Color
R_{YB}	110, 121, 108
Decimal	7960428
CIE Lab	50.00, -1.33, 6.32
CIE LCh	50, 6.456, 101.908
Yxy	18.4187, 0.3283, 0.3503
Android (android.graphics.Color)	4286150508 (0xFF79776C)
YUV	118.3440, -5.0996, 2.3293
Hunter-Lab	42.9170, -3.3103, 6.6988

Details

The CIELCh color **50, 6.456, 101.908** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 6.558, 284.252**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 6.584, 102.755**, and **30, 6.382, 104.820** is the 20% darker color. If you saturate the color by 10%, you get **49, 12.502, 100.855**, and if you desaturate by 10%, it is **51, 0.430, 102.762**.

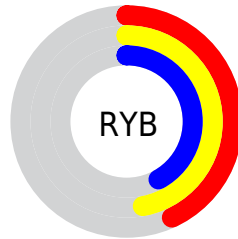
Distribution



Red (47%)

Green (47%)

Blue (42%)



Red (43%)

Yellow (47%)

Blue (42%)

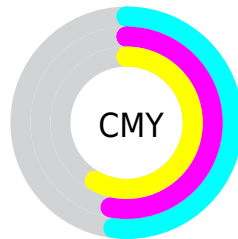


Cyan (0%)

Magenta (2%)

Yellow (11%)

Black (52%)



Cyan (52%)

Magenta (53%)

Yellow (58%)

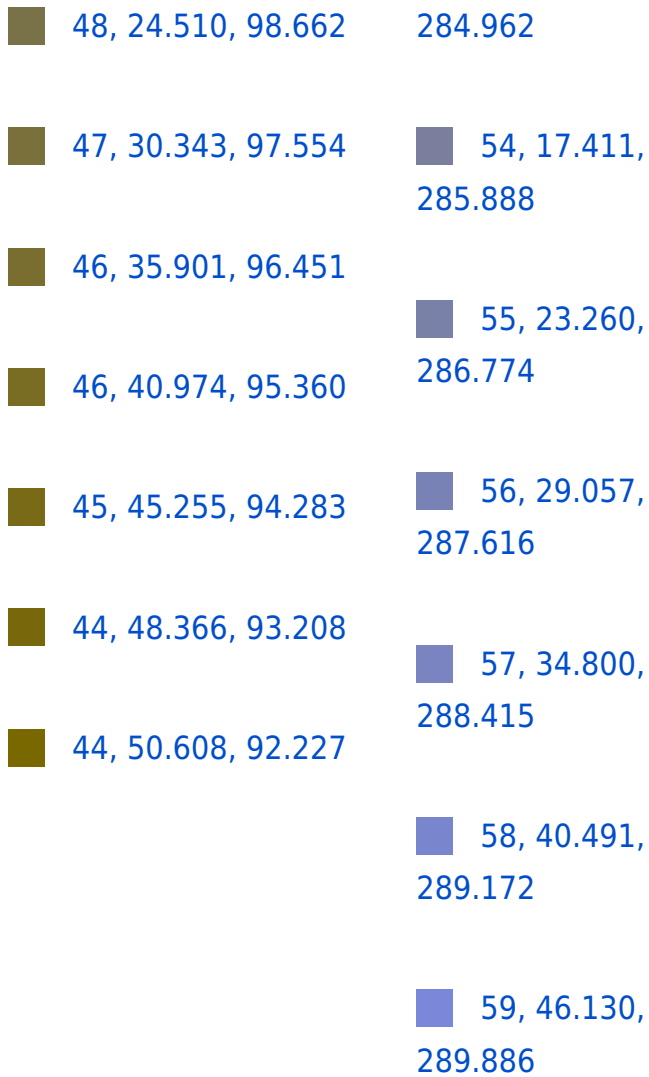
Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 6.456, 101.908 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, 6.456, 101.908 by changing the saturation by 10% instead.

■ 50, 6.456, 101.908	■ 50, 6.456, 101.908
■ 100, 6.456, 101.908	■ 40, 6.456, 101.908
■ 70, 6.456, 101.908	■ 30, 6.456, 101.908
■ 80, 6.456, 101.908	■ 20, 6.456, 101.908
■ 90, 6.456, 101.908	■ 10, 6.456, 101.908
	■ 0, 6.456, 101.908

■ 50, 6.456, 101.908	■ 50, 6.456, 101.908
■ 49, 12.502, 100.855	■ 51, 0.430, 102.762
■ 48, 18.536, 99.766	■ 52, 5.562, 284.000
	■ 53, 11.511,



Harmonies

Complementary

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



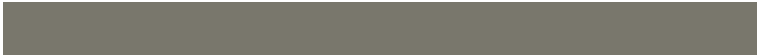
50, 6.456, 101.908



47, 6.558, 284.252

Rectangle

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



50, 6.456, 101.908



50, 6.456, 151.908



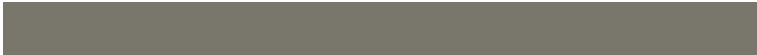
50, 6.456, 281.908



50, 6.456, 331.908

Sweetspot

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



50, 6.457, 101.919



65, 2.234, 102.683



47, 5.538, 6.704



33, 1.686, 102.619



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, 6.457, 101.919



64, 9.732, 101.646



50, 7.785, 122.500



25, 3.415, 102.090



45, 51.704, 92.190



86, 86.652, 91.538

Inverse Universe

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



47, 6.558, 284.252



59, 9.914, 284.566



47, 7.937, 303.621



24, 3.462, 284.059



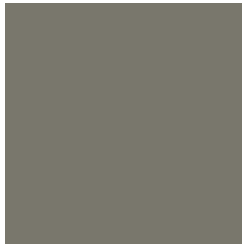
15, 70.353, 303.022



35, 123.231, 304.187

Previews

White Background



This preview shows how the CIELCh color 50, 6.456, 101.908 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 50, 6.456, 101.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

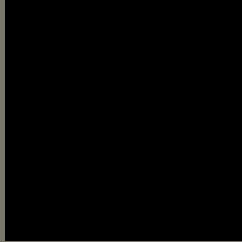
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

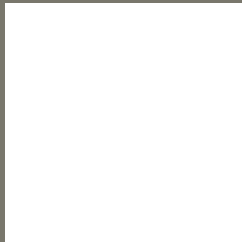
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 6.456, 101.908

Background



This preview shows how black text looks on a background with the CIELCh color 50, 6.456, 101.908.

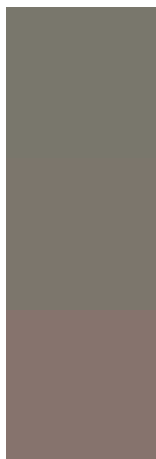


This preview shows how white text looks on a background with the CIELCh color 50, 6.456, 101.908.

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, 6.456, 101.908

Protanopia

50, 6.339, 86.056

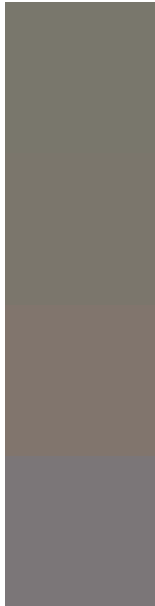
Deuteranopia

50, 8.778, 43.546



Tritanopia
50, 5.985, 318.415

Trichromacy



Original Color
50, 6.456, 101.908

Protanomaly
50, 6.185, 89.646

Deuteranomaly
50, 6.870, 62.340

Tritanomaly
50, 2.343, 349.626

Monochromacy



Original Color
50, 6.456, 101.908

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, 6.456, 101.908 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(121, 119, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 119, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 6.456, 101.908 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, 108) }
```

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

```
.border{ border-color:rgb(121, 119, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 119, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 119, 108);  
box-shadow:4px 4px 4px 4px rgb(121, 119,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 6.456, 101.908 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, 108) }
```

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

```
.background{ background-color: rgb(121,  
119, 108) }
```

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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