

Converting Colors

CIELCh(50, 11.744, 116.920)

Have a look what the booklet for
CIELCh(50, 11.744, 116.920)
contains.

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Color

CIELCh(50, 11.744, 116.920)

Conversions

Conversions Part 1

Format	Color
Hex	757965
RGB	117, 121, 101
RGB Percent	46%, 47%, 40%
CMY	0.5409, 0.5252, 0.6037
CMYK	0.03, 0.00, 0.17, 0.53
HSL	72°, 9%, 44%
HSV	72°, 17%, 47%
XYZ	16.5430, 18.4187, 15.0122
YIQ	117.5240, 4.0360, -7.0680

Conversions

Conversions Part 2

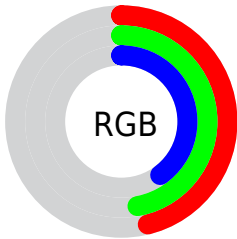
Format	Color
R_{YB}	101, 121, 105
Decimal	7698789
CIE _{Lab}	50.00, -5.32, 10.47
CIE _{LCh}	50, 11.744, 116.920
Yxy	18.4187, 0.3310, 0.3686
Android (android.graphics.Color)	4285888869 (0xFF757965)
YUV	117.5240, -8.1463, -0.4595
Hunter-Lab	42.9170, -6.2991, 9.3024

Details

The CIELCh color **50, 11.744, 116.920** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 12.146, 299.176**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 11.551, 116.803**, and **30, 12.165, 116.836** is the 20% darker color. If you saturate the color by 10%, you get **50, 18.785, 116.263**, and if you desaturate by 10%, it is **51, 4.641, 117.580**.

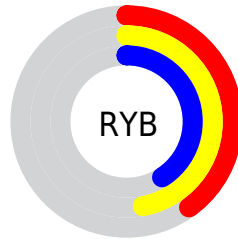
Distribution



Red (46%)

Green (47%)

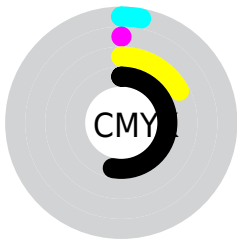
Blue (40%)



Red (40%)

Yellow (47%)

Blue (41%)

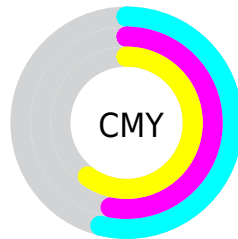


Cyan (3%)

Magenta (0%)

Yellow (17%)

Black (53%)



Cyan (54%)


Magenta (53%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 11.744, 116.920 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, 11.744, 116.920 by changing the saturation by 10% instead.


 50, 11.744,
116.920


 50, 11.744,
116.920


 100, 11.744,
116.920


 40, 11.744,
116.920


 70, 11.744,
116.920

 30, 11.744,
116.920


 80, 11.744,
116.920


 20, 11.744,
116.920

 90, 11.744,
116.920

 10, 11.744,
116.920

 0, 11.744, 116.920

 50, 11.744,
116.920

 50, 11.744,
116.920

■ 50, 18.785,
116.263

■ 51, 4.641, 117.580

■ 49, 25.701,
115.613

■ 51, 2.486, 298.213

■ 52, 9.607, 298.828

■ 49, 32.403,
114.999

■ 52, 16.700,
299.410

■ 48, 38.760,
114.458

■ 53, 23.749,
299.960

■ 48, 44.578,
114.041

■ 54, 30.744,
300.477

■ 48, 49.599,
113.817

■ 54, 37.674,
300.960

■ 48, 53.521,
113.867

■ 55, 44.533,
301.410

■ 47, 56.287,
114.205

■ 56, 51.315,
301.829

■ 47, 57.224,

Harmonies

Complementary

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



50, 11.744, 116.920



44, 12.146, 299.176

Rectangle

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



50, 11.744, 116.920



50, 11.744, 166.920



50, 11.744, 296.920



50, 11.744, 346.920

Sweetspot

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



50, 11.745, 116.924



65, 4.425, 117.671



46, 7.233, 39.176



33, 3.003, 117.635



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, 11.745, 116.924



64, 17.668, 116.661



49, 13.077, 135.040



26, 4.044, 117.414



49, 58.544, 114.350



93, 98.792, 114.922

Inverse Universe

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



44, 12.146, 299.176



55, 18.424, 299.502



45, 13.237, 316.391



23, 4.123, 298.610



14, 77.436, 307.495



33, 131.045, 307.134

Previews

White Background



This preview shows how the CIELCh color 50, 11.744, 116.920 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 CIELCh color 50, 11.744, 116.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

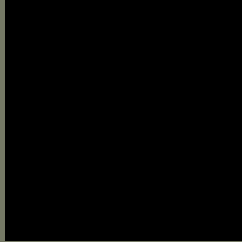
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

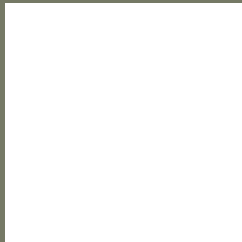
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 11.744, 116.920

Background



This preview shows how black text looks on a background with the CIELCh color 50, 11.744, 116.920.



This preview shows how white text looks on a background with the CIELCh color 50, 11.744, 116.920.

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, 11.744, 116.920

Protanopia

50, 11.342, 95.607

Deuteranopia

50, 11.875, 56.078



Tritanopia
50, 6.091, 305.869

Trichromacy



Original Color
50, 11.744, 116.920

Protanomaly
50, 11.645, 104.440

Deuteranomaly
50, 10.160, 78.594

Tritanomaly
50, 0.808, 19.033

Monochromacy



Original Color
50, 11.744, 116.920

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.105, 115.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 11.744, 116.920 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(117, 121, 101)` looks like.

```
.text, #text, p{  
    color:rgb(117, 121, 101)  
}
```

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(117, 121, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 121, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 11.744, 116.920 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(117, 121, 101) }
```

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

```
.border{ border-color:rgb(117, 121, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 121, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 121, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 121, 101);  
box-shadow:4px 4px 4px 4px rgb(117, 121,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 11.744, 116.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 121, 101) }
```

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

```
.background{ background-color: rgb(117,  
121, 101) }
```

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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