

Converting Colors

CIELCh(50, 6.494, 119.872)

Have a look what the booklet for
CIELCh(50, 6.494, 119.872) contains.

CIELCh(50, 6.535, 120.257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 6.535, 120.257)

Conversions

Conversions Part 1

Format	Color
Hex	75786D
RGB	117, 120, 109
RGB Percent	46%, 47%, 43%
CMY	0.5400, 0.5282, 0.5714
CMYK	0.02, 0.00, 0.09, 0.53
HSL	76°, 5%, 45%
HSV	76°, 9%, 47%
XYZ	16.9055, 18.4187, 17.2159
YIQ	117.8490, 1.7430, -4.0570

Conversions

Conversions Part 2

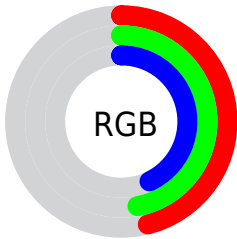
Format	Color
R_{YB}	109, 120, 112
Decimal	7698541
CIE Lab	50.00, -3.29, 5.64
CIE LCh	50, 6.535, 120.257
Yxy	18.4187, 0.3218, 0.3506
Android (android.graphics.Color)	4285888621 (0xFF75786D)
YUV	117.8490, -4.3626, -0.7446
Hunter-Lab	42.9170, -4.7915, 6.2580

Details

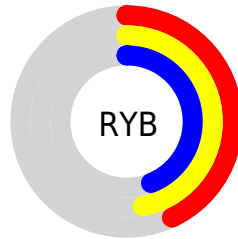
The CIELCh color $50, 6.535, 120.257$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.656, 301.316$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 6.655, 119.490$, and $30, 6.518, 121.097$ is the 20% darker color. If you saturate the color by 10%, you get $49, 13.664, 119.679$, and if you desaturate by 10%, it is $51, 0.615, 300.782$.

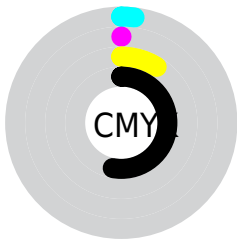
Distribution



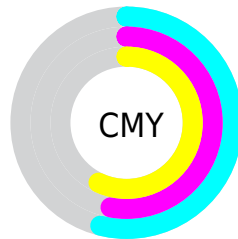
- Red (46%)
- Green (47%)
- Blue (43%)



- Red (43%)
- Yellow (47%)
- Blue (44%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 6.535, 120.257 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, 6.535, 120.257 by changing the saturation by 10% instead.

■ 50, 6.535, 120.257

■ 50, 6.535, 120.257

■ 100, 6.535,
120.257

■ 40, 6.535, 120.257

■ 70, 6.535, 120.257

■ 30, 6.535, 120.257

■ 80, 6.535, 120.257

■ 20, 6.535, 120.257

■ 90, 6.535, 120.257

■ 10, 6.535, 120.257

■ 0, 6.535, 120.257

■ 50, 6.535, 120.257

■ 50, 6.535, 120.257

■ 49, 13.664,
119.679

■ 51, 0.615, 300.782

■ 49, 20.721,
119.092

■ 51, 7.758, 301.363

■ 52, 14.869,

■ 48, 27.642,
118.522

301.877

■ 48, 34.328,
117.996

■ 53, 21.930,
302.358

■ 48, 40.634,
117.559

■ 53, 28.928,
302.807

■ 47, 46.357,
117.273

■ 54, 35.854,
303.224

■ 47, 51.225,
117.219

■ 55, 42.700,
303.610

■ 47, 54.943,
117.492

■ 56, 49.461,
303.967

■ 46, 57.759,
118.001

■ 57, 56.133,
304.295

Harmonies

Complementary

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



50, 6.535, 120.257



47, 6.656, 301.316

Rectangle

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



50, 6.535, 120.257



50, 6.535, 170.257



50, 6.535, 300.257



50, 6.535, 350.257

Sweetspot

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



50, 6.536, 120.263



64, 2.640, 120.618



48, 3.760, 46.914



33, 2.018, 120.575



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, 6.536, 120.263



63, 9.698, 120.140



50, 7.325, 137.434



26, 4.081, 120.267



48, 59.622, 118.090



92, 100.777, 118.804

Inverse Universe

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



47, 6.656, 301.316



59, 9.911, 301.452



47, 7.370, 318.162



23, 4.155, 301.312



15, 76.600, 308.283



35, 129.735, 307.832

Previews

White Background



This preview shows how the CIELCh color 50, 6.535, 120.257 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, 6.535, 120.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

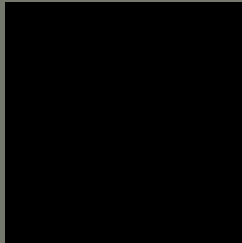
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 6.535, 120.257

Background



This preview shows how black text looks on a background with the CIELCh color 50, 6.535, 120.257.

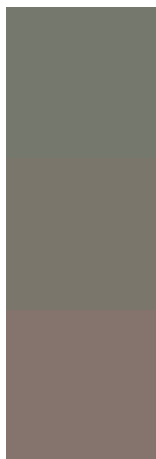


This preview shows how white text looks on a background with the CIELCh color 50, 6.535, 120.257.

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, 6.535, 120.257

Protanopia

50, 6.185, 89.646

Deuteranopia

50, 8.130, 41.066



Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 6.535, 120.257

Protanomaly
50, 6.456, 101.908

Deuteranomaly
50, 5.837, 63.914

Tritanomaly
50, 1.175, 290.368

Monochromacy



Original Color
50, 6.535, 120.257

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.369, 119.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 6.535, 120.257 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, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 109)  
}
```

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, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 6.535, 120.257 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, 120, 109) }
```

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

```
.border{ border-color:rgb(117, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(117, 120,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 6.535, 120.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 109) }
```

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

```
.background{ background-color: rgb(117,  
120, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor