

Converting Colors

CIELCh(48, 23.532, 124.570)

Have a look what the booklet for
CIELCh(48, 23.532, 124.570)
contains.

CIELCh(48, 23.126, 124.756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 23.126, 124.756)

Conversions

Conversions Part 1

Format	Color
Hex	677751
RGB	103, 119, 81
RGB Percent	40%, 47%, 32%
CMY	0.5945, 0.5318, 0.6809
CMYK	0.13, 0.00, 0.32, 0.53
HSL	85°, 19%, 39%
HSV	85°, 32%, 47%
XYZ	13.7816, 16.7945, 10.3734
YIQ	109.8840, 2.6620, -15.2100

Conversions

Conversions Part 2

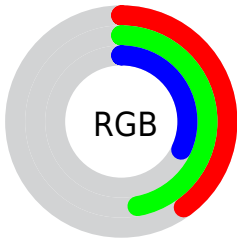
Format	Color
R_{YB}	81, 119, 97
Decimal	6780753
CIE Lab	48.00, -13.18, 19.00
CIE LCh	48, 23.126, 124.756
Yxy	16.7945, 0.3366, 0.4101
Android (android.graphics.Color)	4284970833 (0xFF677751)
YUV	109.8840, -14.2398, -6.0373
Hunter-Lab	40.9810, -11.6885, 13.6788

Details

The CIELCh color $48, 23.126, 124.756$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 24.321, 307.925$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.745, 124.344$, and $28, 23.268, 125.460$ is the 20% darker color. If you saturate the color by 10%, you get $47, 30.198, 124.287$, and if you desaturate by 10%, it is $49, 15.913, 125.245$.

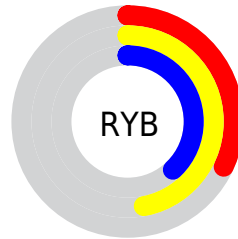
Distribution



Red (40%)

Green (47%)

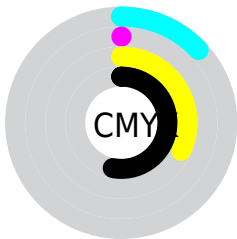
Blue (32%)



Red (32%)

Yellow (47%)

Blue (38%)

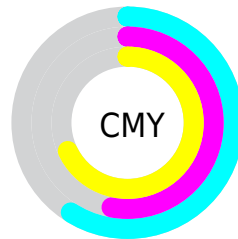


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (59%)

Magenta (53%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 23.126, 124.756 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, 23.126, 124.756 by changing the saturation by 10% instead.


 48, 23.126,
124.756


 48, 23.126,
124.756


 100, 23.126,
124.756

 38, 23.126,
124.756

 68, 23.126,
124.756


 28, 23.126,
124.756

 78, 23.126,
124.756

 18, 23.126,
124.756

 88, 23.126,
124.756

 8, 23.126, 124.756

 98, 23.126,
124.756

 0, 23.126, 124.756

 48, 23.126,

 48, 23.126,

124.756

■ 47, 30.198,
124.287

■ 47, 37.018,
123.865

■ 46, 43.428,
123.545

■ 46, 49.209,
123.403

■ 46, 54.084,
123.539

■ 45, 57.771,
124.061

■ 45, 60.336,
124.563

124.756

■ 49, 15.913,
125.245

■ 49, 8.633, 125.727

■ 50, 1.339, 126.227

■ 51, 5.931, 306.602

■ 52, 13.148,
307.011

■ 53, 20.292,
307.383

■ 53, 27.350,
307.724

■ 54, 34.311,
308.033

■ 55, 41.167,

Harmonies

Complementary

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



48, 23.126, 124.756



38, 24.321, 307.925

Rectangle

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



48, 23.126, 124.756



48, 23.126, 174.756



48, 23.126, 304.756



48, 23.126, 354.756

Sweetspot

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



48, 23.127, 124.758



63, 9.047, 125.803



43, 13.955, 62.683



33, 6.221, 125.749



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 23.127, 124.758



61, 34.128, 124.420



47, 26.675, 140.300



24, 4.040, 125.862



46, 61.441, 124.605



89, 104.948, 125.494

Inverse Universe

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



38, 24.321, 307.925



46, 36.354, 308.357



40, 26.805, 323.668



23, 4.100, 306.673



16, 73.400, 310.641



38, 125.242, 310.050

Previews

White Background



This preview shows how the CIELCh color 48, 23.126, 124.756 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 CIELCh color 48, 23.126, 124.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

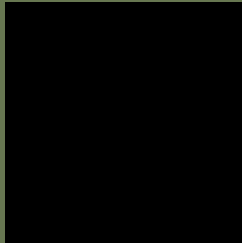
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 23.126, 124.756

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.126, 124.756.



This preview shows how white text looks on a background with the CIELCh color 48, 23.126, 124.756.

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, 23.126, 124.756

Protanopia

48, 20.807, 96.092

Deuteranopia

48, 18.724, 70.933



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color
48, 23.126, 124.756

Protanomaly
48, 20.901, 107.327

Deuteranomaly
48, 18.125, 93.431

Tritanomaly
48, 6.002, 147.197

Monochromacy



Original Color
48, 23.126, 124.756

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.955, 124.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.126, 124.756 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(103, 119, 81)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 81)  
}
```

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(103, 119, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.126, 124.756 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(103, 119, 81) }
```

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

```
.border{ border-color:rgb(103, 119, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 119, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 81);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.126, 124.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 81) }
```

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

```
.background{ background-color: rgb(103,  
119, 81) }
```

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