

Converting Colors

CIELCh(48, 14.031, 136.880)

Have a look what the booklet for
CIELCh(48, 14.031, 136.880)
contains.

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Color

CIELCh(48, 14.053, 136.873)

Conversions

Conversions Part 1

Format	Color
Hex	667661
RGB	102, 118, 97
RGB Percent	40%, 46%, 38%
CMY	0.5982, 0.5354, 0.6178
CMYK	0.14, 0.00, 0.18, 0.54
HSL	106°, 10%, 42%
HSV	106°, 18%, 46%
XYZ	14.2476, 16.7945, 13.9139
YIQ	110.8220, -2.7950, -9.9230

Conversions

Conversions Part 2

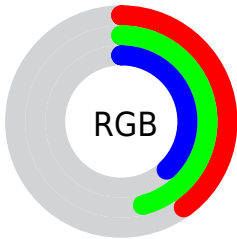
Format	Color
R_{YB}	97, 118, 113
Decimal	6714977
CIE _{Lab}	48.00, -10.26, 9.61
CIE _{LCh}	48, 14.053, 136.873
Yxy	16.7945, 0.3169, 0.3736
Android (android.graphics.Color)	4284905057 (0xFF667661)
YUV	110.8220, -6.8142, -7.7369
Hunter-Lab	40.9810, -9.6592, 8.5565

Details

The CIELCh color $48, 14.053, 136.873$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 14.195, 318.381$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 13.801, 137.415$, and $28, 14.052, 137.286$ is the 20% darker color. If you saturate the color by 10%, you get $47, 22.001, 136.349$, and if you desaturate by 10%, it is $49, 6.105, 137.355$.

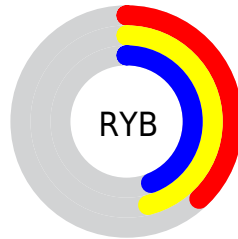
Distribution



Red (40%)

Green (46%)

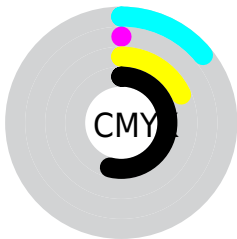
Blue (38%)



Red (38%)

Yellow (46%)

Blue (44%)

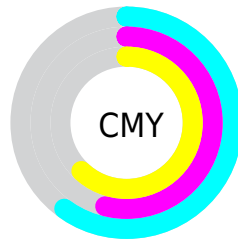


Cyan (14%)

Magenta (0%)

Yellow (18%)

Black (54%)



Cyan (60%)


Magenta (54%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 14.053, 136.873 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, 14.053, 136.873 by changing the saturation by 10% instead.


 48, 14.053,
136.873


 48, 14.053,
136.873


 100, 14.053,
136.873


 38, 14.053,
136.873

 68, 14.053,
136.873


 28, 14.053,
136.873

 78, 14.053,
136.873

 18, 14.053,
136.873


 88, 14.053,
136.873

 8, 14.053, 136.873

 98, 14.053,
136.873

 0, 14.053, 136.873

 48, 14.053,

 48, 14.053,

136.873

136.873

■ 47, 22.001,
136.349

■ 49, 6.105, 137.355

■ 46, 29.856,
135.780

■ 50, 1.781, 317.671

■ 46, 37.495,
135.183

■ 51, 9.557, 318.095

■ 45, 44.753,
134.595

■ 52, 17.189,
318.416

■ 44, 51.411,
134.076

■ 54, 24.657,
318.690

■ 44, 57.188,
133.717

■ 55, 31.948,
318.926

■ 44, 61.770,
133.631

■ 57, 39.056,
319.127

■ 43, 65.194,
133.743

■ 58, 45.978,
319.300

■ 60, 52.717,

■ 43, 65.941,
133.717

319.447

Harmonies

Complementary

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



48, 14.053, 136.873



44, 14.195, 318.381

Rectangle

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



48, 14.053, 136.873



48, 14.053, 186.873



48, 14.053, 316.873



48, 14.053, 6.873

Sweetspot

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



48, 14.054, 136.874



63, 4.854, 137.480



48, 9.520, 95.203



32, 3.293, 137.453



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 14.054, 136.874



61, 20.529, 136.682



48, 12.695, 151.152



24, 4.407, 137.295



45, 67.529, 133.757



87, 115.361, 134.352

Inverse Universe

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



44, 14.195, 318.381



54, 20.774, 318.541



44, 12.762, 333.440



23, 4.434, 318.008



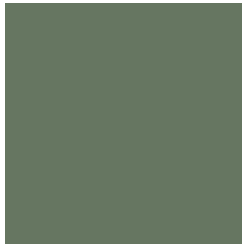
23, 68.722, 319.670



49, 116.750, 319.238

Previews

White Background



This preview shows how the CIE LCh color 48, 14.053, 136.873 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 48, 14.053, 136.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

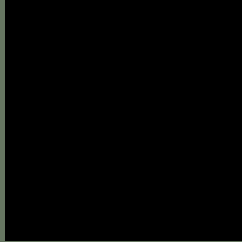
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

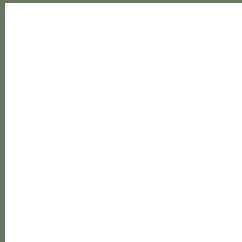
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 14.053, 136.873

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.053, 136.873.



This preview shows how white text looks on a background with the CIELCh color 48, 14.053, 136.873.

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, 14.053, 136.873

Protanopia

48, 10.990, 92.711

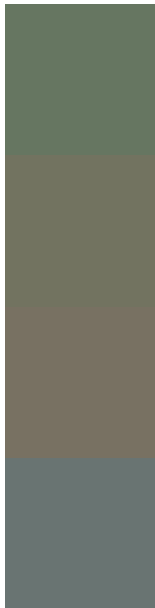
Deuteranopia

48, 10.869, 56.390



Tritanopia
48, 6.072, 260.368

Trichromacy



Original Color
48, 14.053, 136.873

Protanomaly
48, 11.136, 110.863

Deuteranomaly
48, 9.304, 90.117

Tritanomaly
48, 4.553, 183.935

Monochromacy



Original Color
48, 14.053, 136.873

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.342, 137.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.053, 136.873 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(102, 118, 97)` looks like.

```
.text, #text, p{  
    color:rgb(102, 118, 97)  
}
```

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(102, 118, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 118, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.053, 136.873 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(102, 118, 97) }
```

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

```
.border{ border-color:rgb(102, 118, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 118, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 118, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 118, 97);  
box-shadow:4px 4px 4px 4px rgb(102, 118,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.053, 136.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 118, 97) }
```

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

```
.background{ background-color: rgb(102,  
118, 97) }
```

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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