

Converting Colors

CIELCh(48, 12.765, 171.480)

Have a look what the booklet for
CIELCh(48, 12.765, 171.480)
contains.

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Color

CIELCh(48, 12.885, 170.730)

Conversions

Conversions Part 1

Format	Color
Hex	5B786E
RGB	91, 120, 110
RGB Percent	36%, 47%, 43%
CMY	0.6430, 0.5293, 0.5685
CMYK	0.24, 0.00, 0.08, 0.53
HSL	159°, 14%, 41%
HSV	159°, 24%, 47%
XYZ	13.8553, 16.7945, 17.2737
YIQ	110.1890, -14.0740, -9.2580

Conversions

Conversions Part 2

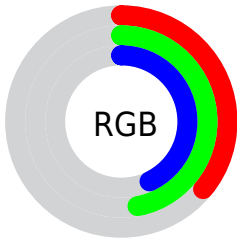
Format	Color
R_{YB}	91, 109, 120
Decimal	5994606
CIE _{Lab}	48.00, -12.72, 2.08
CIE _{LCh}	48, 12.885, 170.730
Yxy	16.7945, 0.2891, 0.3504
Android (android.graphics.Color)	4284184686 (0xFF5B786E)
YUV	110.1890, -0.0932, -16.8288
Hunter-Lab	40.9810, -11.3677, 3.6957

Details

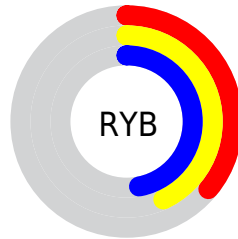
The CIELCh color $48, 12.885, 170.730$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 13.638, 355.276$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.460, 172.103$, and $28, 12.479, 172.824$ is the 20% darker color. If you saturate the color by 10%, you get $47, 17.978, 169.666$, and if you desaturate by 10%, it is $49, 7.618, 171.714$.

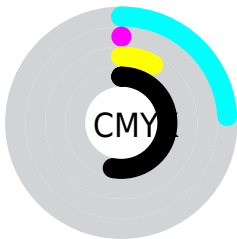
Distribution



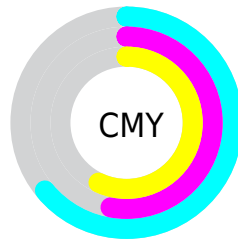
- Red (36%)
- Green (47%)
- Blue (43%)



- Red (36%)
- Yellow (43%)
- Blue (47%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)





- Cyan (64%)
- Magenta (53%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.885, 170.730 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, 12.885, 170.730 by changing the saturation by 10% instead.


 48, 12.885,
170.730


 48, 12.885,
170.730


 100, 12.885,
170.730


 38, 12.885,
170.730

 68, 12.885,
170.730


 28, 12.885,
170.730

 78, 12.885,
170.730

 18, 12.885,
170.730


 88, 12.885,
170.730

 8, 12.885, 170.730

 98, 12.885,
170.730

 0, 12.885, 170.730

 48, 12.885,

 48, 12.885,

170.730

170.730

■ 47, 17.978,
169.666

■ 49, 7.618, 171.714

■ 46, 22.813,
168.504

■ 50, 2.247, 172.711

■ 46, 27.310,
167.222

■ 51, 3.166, 353.307

■ 45, 31.390,
165.797

■ 52, 8.570, 354.157

■ 45, 34.992,
164.207

■ 54, 13.927,
354.915

■ 45, 38.080,
162.434

■ 55, 19.208,
355.627

■ 44, 40.675,
160.486

■ 57, 24.391,
356.303

■ 44, 42.123,
159.390

■ 58, 29.464,
356.948

Harmonies

Complementary

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



48, 12.885, 170.730



42, 13.638, 355.276

Rectangle

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



48, 12.885, 170.730



48, 12.885, 220.730



48, 12.885, 350.730



48, 12.885, 40.730

Sweetspot

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



48, 12.886, 170.727



63, 4.671, 172.388



48, 18.736, 133.094



33, 3.058, 172.347



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, 12.886, 170.727



61, 18.992, 170.149



47, 9.550, 214.192



25, 3.087, 172.201



46, 43.427, 159.290



88, 74.725, 158.002

Inverse Universe

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



42, 13.638, 355.276



52, 20.377, 355.945



43, 11.188, 34.109



24, 3.154, 353.673



25, 50.390, 14.924



53, 85.808, 18.146

Previews

White Background



This preview shows how the CIE LCh color 48, 12.885, 170.730 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, 12.885, 170.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

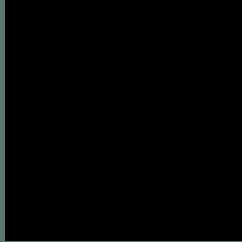
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

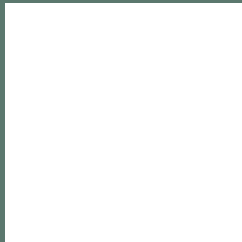
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.885, 170.730

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.885, 170.730.



This preview shows how white text looks on a background with the CIELCh color 48, 12.885, 170.730.

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, 12.885, 170.730

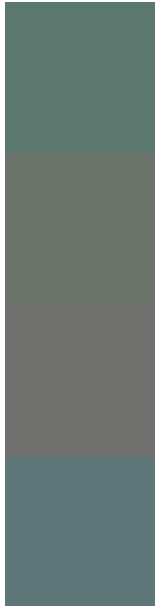
Protanopia
48, 4.430, 87.465

Deuteranopia
48, 6.323, 9.435



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 12.885, 170.730

Protanomaly
48, 6.254, 141.055

Deuteranomaly
48, 1.811, 122.938

Tritanomaly
48, 9.843, 205.302

Monochromacy



Original Color
48, 12.885, 170.730

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.048, 170.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.885, 170.730 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(91, 120, 110)` looks like.

```
.text, #text, p{  
    color:rgb(91, 120, 110)  
}
```

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(91, 120, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 120, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.885, 170.730 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(91, 120, 110) }
```

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

```
.border{ border-color:rgb(91, 120, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 120, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 120, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 120, 110);  
box-shadow:4px 4px 4px 4px rgb(91, 120,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.885, 170.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 120, 110) }
```

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

```
.background{ background-color: rgb(91, 120,  
110) }
```

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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