

Converting Colors

CIELCh(48, 27.845, 160.199)

Have a look what the booklet for
CIELCh(48, 27.845, 160.199)
contains.

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Color

CIELCh(48, 27.663, 160.028)

Conversions

Conversions Part 1

Format	Color
Hex	437D61
RGB	67, 125, 97
RGB Percent	26%, 49%, 38%
CMY	0.7364, 0.5089, 0.6187
CMYK	0.46, 0.00, 0.22, 0.51
HSL	151°, 30%, 38%
HSV	151°, 46%, 49%
XYZ	11.8613, 16.7945, 13.9796
YIQ	104.4660, -25.5800, -21.0040

Conversions

Conversions Part 2

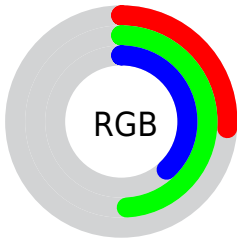
Format	Color
RYB	67, 105, 125
Decimal	4423009
CIELab	48.00, -26.00, 9.45
CIElCh	48, 27.663, 160.028
Yxy	16.7945, 0.2782, 0.3939
Android (android.graphics.Color)	4282613089 (0xFF437D61)
YUV	104.4660, -3.6807, -32.8577
Hunter-Lab	40.9810, -20.0528, 8.4615

Details

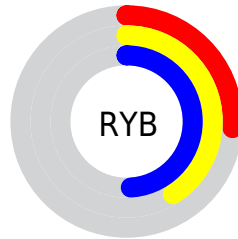
The CIELCh color **48, 27.663, 160.028** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **36, 29.260, 349.254**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 27.617, 160.494**, and **28, 27.826, 160.135** is the 20% darker color. If you saturate the color by 10%, you get **47, 33.007, 158.689**, and if you desaturate by 10%, it is **49, 21.985, 161.217**.

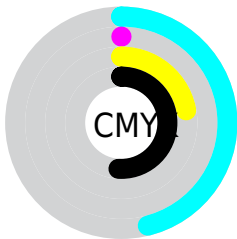
Distribution



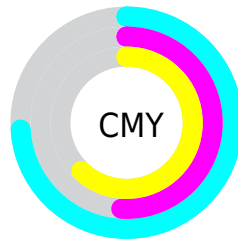
- Red (26%)
- Green (49%)
- Blue (38%)



- Red (26%)
- Yellow (41%)
- Blue (49%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (51%)



- Cyan (74%)
- Magenta (51%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.663, 160.028 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, 27.663, 160.028 by changing the saturation by 10% instead.

 48, 27.663,
160.028


 48, 27.663,
160.028

 100, 27.663,
160.028


 38, 27.663,
160.028

 68, 27.663,
160.028


 28, 27.663,
160.028

 78, 27.663,
160.028

 18, 27.663,
160.028

 88, 27.663,
160.028

 8, 27.663, 160.028

 98, 27.663,
160.028

 0, 27.663, 160.028

 48, 27.663,

 48, 27.663,

160.028

160.028

■ 47, 33.007,
158.689

■ 49, 21.985,
161.217

■ 47, 37.924,
157.181

■ 50, 16.068,
162.281

■ 46, 42.340,
155.484

■ 51, 10.003,
163.243

■ 46, 46.212,
153.591

■ 52, 3.872, 164.150

■ 46, 49.589,
151.554

■ 53, 2.259, 344.730

■ 54, 8.335, 345.544

■ 46, 50.800,
150.850

■ 56, 14.317,
346.225

■ 57, 20.176,
346.851

■ 59, 25.893,

Harmonies

Complementary

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



48, 27.663, 160.028



36, 29.260, 349.254

Rectangle

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



48, 27.663, 160.028



48, 27.663, 210.028



48, 27.663, 340.028



48, 27.663, 30.028

Sweetspot

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



48, 27.664, 160.027



65, 10.662, 163.424



49, 35.470, 127.584



33, 7.321, 163.260



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 27.664, 160.027



61, 40.666, 158.542



48, 19.469, 199.081



26, 3.508, 163.894



47, 51.506, 150.805



0, 0.000, 0.000

Inverse Universe

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



36, 29.260, 349.254



44, 43.267, 350.900



36, 26.895, 25.147



25, 3.553, 345.267



26, 50.685, 2.111



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 27.663, 160.028 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, 27.663, 160.028 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, 27.663, 160.028

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.663, 160.028.



This preview shows how white text looks on a background with the CIELCh color 48, 27.663, 160.028.

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, 27.663, 160.028

Protanopia
48, 13.262, 95.035

Deuteranopia
48, 9.850, 48.601



Tritanopia

48, 16.215, 217.151

Trichromacy



Original Color
48, 27.663, 160.028

Protanomaly
47, 15.647, 133.803

Deuteranomaly
47, 9.454, 129.693

Tritanomaly
48, 18.291, 188.113

Monochromacy



Original Color
48, 27.663, 160.028

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 10.429, 163.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.663, 160.028 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(67, 125, 97)` looks like.

```
.text, #text, p{  
    color:rgb(67, 125, 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(67, 125, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 125, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.663, 160.028 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(67, 125, 97) }
```

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

```
.border{ border-color:rgb(67, 125, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 125, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 125, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 125, 97);  
box-shadow:4px 4px 4px 4px rgb(67, 125,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.663, 160.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 125, 97) }
```

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

```
.background{ background-color: rgb(67, 125,  
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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