

Converting Colors

CIELCh(48, 37.122, 167.692)

Have a look what the booklet for
CIELCh(48, 37.122, 167.692)
contains.

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Color

CIELCh(48, 36.872, 168.054)

Conversions

Conversions Part 1

Format	Color
Hex	168164
RGB	22, 129, 100
RGB Percent	9%, 51%, 39%
CMY	0.9136, 0.4941, 0.6078
CMYK	0.83, 0.00, 0.22, 0.49
HSL	164°, 71%, 30%
HSV	164°, 83%, 51%
XYZ	10.4837, 16.7945, 14.7483
YIQ	93.7010, -54.4630, -31.7030

Conversions

Conversions Part 2

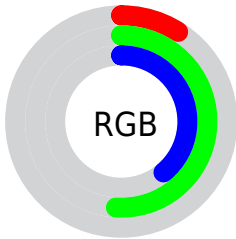
Format	Color
R_{YB}	22, 84, 129
Decimal	1474916
CIE Lab	48.00, -36.07, 7.63
CIE LCh	48, 36.872, 168.054
Yxy	16.7945, 0.2495, 0.3996
Android (android.graphics.Color)	4279664996 (0xFF168164)
YUV	93.7010, 3.1054, -62.8818
Hunter-Lab	40.9810, -26.0533, 7.3494

Details

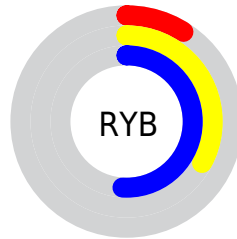
The CIELCh color **48, 36.872, 168.054** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 47.031, 14.000**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 36.939, 167.961**, and **29, 30.232, 161.799** is the 20% darker color. If you saturate the color by 10%, you get **48, 39.177, 166.219**, and if you desaturate by 10%, it is **48, 34.016, 169.709**.

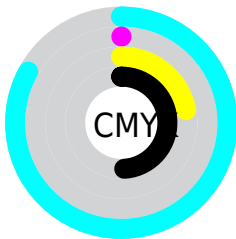
Distribution



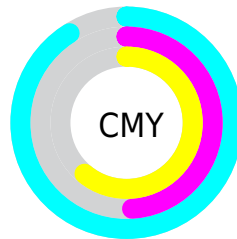
- Red (9%)
- Green (51%)
- Blue (39%)



- Red (9%)
- Yellow (33%)
- Blue (51%)



- Cyan (83%)
- Magenta (0%)
- Yellow (22%)
- Black (49%)





- Cyan (91%)
- Magenta (49%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 36.872, 168.054 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, 36.872, 168.054 by changing the saturation by 10% instead.


 48, 36.872,
168.054


 48, 36.872,
168.054


 100, 36.872,
168.054

 38, 36.872,
168.054

 68, 36.872,
168.054


 28, 36.872,
168.054

 78, 36.872,
168.054

 18, 36.872,
168.054


 88, 36.872,
168.054

 8, 36.872, 168.054

 98, 36.872,
168.054

 0, 36.872, 168.054

 48, 36.872,

 48, 36.872,

168.054

168.054

■ 48, 39.177,
166.219

■ 48, 34.016,
169.709

■ 48, 40.661,
164.927

■ 49, 30.600,
171.198

■ 49, 26.658,
172.542

■ 50, 22.251,
173.762

■ 51, 17.459,
174.879

■ 52, 12.367,
175.915

■ 53, 7.058, 176.893

■ 54, 1.610, 177.961

Harmonies

Complementary

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



48, 36.872, 168.054



28, 47.031, 14.000

Rectangle

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



48, 36.872, 168.054



48, 36.872, 218.054



48, 36.872, 348.054



48, 36.872, 38.054

Sweetspot

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



48, 36.872, 168.053



66, 16.688, 175.647



48, 63.123, 132.656



34, 11.278, 175.346



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 36.872, 168.053



61, 49.764, 164.396



41, 24.957, 232.066



26, 3.057, 177.266



47, 40.301, 164.953



0, 0.000, 0.000

Inverse Universe

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



28, 47.031, 14.000



35, 65.022, 23.240



31, 48.008, 43.300



25, 3.143, 358.758



26, 52.620, 21.700



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 36.872, 168.054 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, 36.872, 168.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

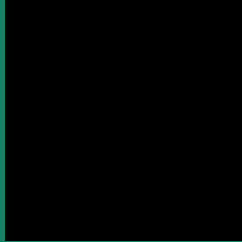
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 36.872, 168.054

Background



This preview shows how black text looks on a background with the CIELCh color 48, 36.872, 168.054.



This preview shows how white text looks on a background with the CIELCh color 48, 36.872, 168.054.

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, 36.872, 168.054

Protanopia

48, 12.692, 94.544

Deuteranopia

48, 8.631, 40.065



Tritanopia
48, 23.952, 211.533

Trichromacy



Original Color
48, 36.872, 168.054

Protanomaly
47, 20.125, 152.610

Deuteranomaly
46, 13.354, 162.680

Tritanomaly
48, 27.018, 191.552

Monochromacy



Original Color
48, 36.872, 168.054

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.606, 173.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 36.872, 168.054 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(22, 129, 100)` looks like.

```
.text, #text, p{  
    color:rgb(22, 129, 100)  
}
```

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(22, 129, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 129, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 36.872, 168.054 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(22, 129, 100) }
```

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

```
.border{ border-color:rgb(22, 129, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 129, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 129, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 129, 100);  
box-shadow:4px 4px 4px 4px rgb(22, 129,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 36.872, 168.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 129, 100) }
```

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

```
.background{ background-color: rgb(22, 129,  
100) }
```

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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