

Converting Colors

CIELCh(48, 48.027, 65.505)

Have a look what the booklet for
CIELCh(48, 48.027, 65.505) contains.

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Color

CIELCh(48, 48.125, 64.959)

Conversions

Conversions Part 1

Format	Color
Hex	A26326
RGB	162, 99, 38
RGB Percent	64%, 39%, 15%
CMY	0.3640, 0.6111, 0.8504
CMYK	0.00, 0.39, 0.76, 0.36
HSL	30°, 62%, 39%
HSV	30°, 76%, 64%
XYZ	19.7662, 16.7945, 4.0466
YIQ	110.8830, 57.1290, -5.6150

Conversions

Conversions Part 2

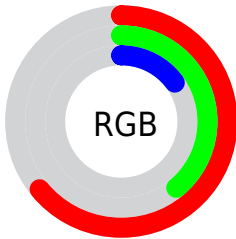
Format	Color
R_{YB}	162, 158, 38
Decimal	10642214
CIE Lab	48.00, 20.37, 43.60
CIE LCh	48, 48.125, 64.959
Yxy	16.7945, 0.4868, 0.4136
Android (android.graphics.Color)	4288832294 (0xFFA26326)
YUV	110.8830, -35.9313, 44.8296
Hunter-Lab	40.9810, 14.3783, 22.8322

Details

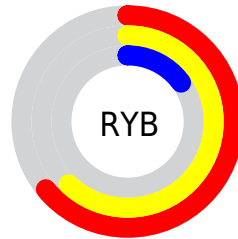
The CIELCh color **48, 48.125, 64.959** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 38.708, 272.643**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 48.094, 64.868**, and **28, 43.616, 62.053** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.254, 63.261**, and if you desaturate by 10%, it is **50, 41.388, 66.371**.

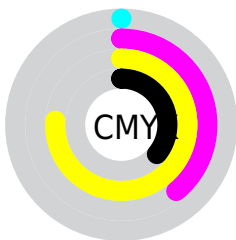
Distribution



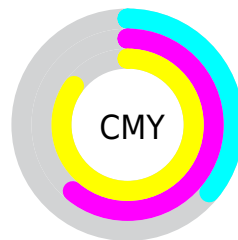
- Red (64%)
- Green (39%)
- Blue (15%)



- Red (64%)
- Yellow (62%)
- Blue (15%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (36%)



- Cyan (36%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 48.125, 64.959 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, 48.125, 64.959 by changing the saturation by 10% instead.

■ 48, 48.125, 64.959

■ 48, 48.125, 64.959

■ 100, 48.125,
64.959

■ 38, 48.125, 64.959

■ 68, 48.125, 64.959

■ 28, 48.125, 64.959

■ 78, 48.125, 64.959

■ 18, 48.125, 64.959

■ 88, 48.125, 64.959

■ 8, 48.125, 64.959

■ 98, 48.125, 64.959

■ 0, 48.125, 64.959

■ 48, 48.125, 64.959

■ 48, 48.125, 64.959

■ 46, 54.254, 63.261

■ 50, 41.388, 66.371

■ 44, 59.119, 61.031

■ 52, 34.531, 67.656

43, 60.843, 60.330

55, 27.801, 68.897

57, 21.311, 70.122

60, 15.100, 71.338

62, 9.174, 72.537

65, 3.519, 73.679

68, 1.885, 255.115

70, 7.063, 256.137

Harmonies

Complementary

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



48, 48.125, 64.959



42, 38.708, 272.643

Rectangle

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



48, 48.125, 64.959



48, 48.125, 114.959



48, 48.125, 244.959



48, 48.125, 294.959

Sweetspot

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



48, 48.124, 64.962



77, 16.175, 71.705



38, 55.272, 352.713



40, 11.379, 71.286



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 48.124, 64.962



58, 70.568, 61.670



64, 60.576, 102.763



33, 3.112, 73.374



39, 56.041, 60.708



3, 4.628, 69.296

Inverse Universe

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



42, 38.708, 272.643



49, 57.320, 280.078



25, 77.234, 302.455



33, 3.044, 255.767



32, 45.874, 282.310



2, 4.943, 259.600

Previews

White Background



This preview shows how the CIELCh color 48, 48.125, 64.959 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, 48.125, 64.959 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, 48.125, 64.959

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.125, 64.959.



This preview shows how white text looks on a background with the CIELCh color 48, 48.125, 64.959.

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, 48.125, 64.959

Protanopia

48, 41.084, 95.865

Deuteranopia

48, 44.743, 82.509



Tritanopia
48, 31.867, 16.716

Trichromacy



Original Color
48, 48.125, 64.959

Protanomaly
48, 41.530, 83.415

Deuteranomaly
48, 45.427, 75.428

Tritanomaly
48, 34.592, 39.565

Monochromacy



Original Color
48, 48.125, 64.959

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 16.756, 70.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.125, 64.959 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(162, 99, 38)` looks like.

```
.text, #text, p{  
    color:rgb(162, 99, 38)  
}
```

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(162, 99, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 99, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.125, 64.959 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(162, 99, 38) }
```

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

```
.border{ border-color:rgb(162, 99, 38) }
```

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

Here you see how a box with a 4 pixel rgb(162, 99, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 99, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 99, 38);  
box-shadow:4px 4px 4px 4px rgb(162, 99,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.125, 64.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 99, 38) }
```

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

```
.background{ background-color: rgb(162, 99,  
38) }
```

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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