

Converting Colors

CIELCh(48, 36.205, 103.160)

Have a look what the booklet for
CIELCh(48, 36.205, 103.160)
contains.

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Color

CIELCh(48, 36.151, 102.994)

Conversions

Conversions Part 1

Format	Color
Hex	777434
RGB	119, 116, 52
RGB Percent	47%, 45%, 20%
CMY	0.5316, 0.5434, 0.7945
CMYK	0.00, 0.03, 0.56, 0.53
HSL	57°, 39%, 34%
HSV	57°, 56%, 47%
XYZ	14.5927, 16.7945, 5.7694
YIQ	109.6010, 22.3320, -19.2680

Conversions

Conversions Part 2

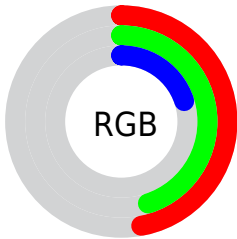
Format	Color
RYB	55, 119, 52
Decimal	7828532
CIELab	48.00, -8.13, 35.23
CIElCh	48, 36.151, 102.994
Yxy	16.7945, 0.3927, 0.4520
Android (android.graphics.Color)	4286018612 (0xFF777434)
YUV	109.6010, -28.3973, 8.2429
Hunter-Lab	40.9810, -8.1556, 20.3398

Details

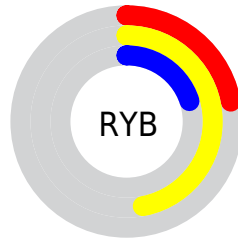
The CIELCh color $48, 36.151, 102.994$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $26, 41.621, 296.606$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 36.125, 103.002$, and $28, 36.119, 103.106$ is the 20% darker color. If you saturate the color by 10%, you get $48, 41.675, 102.152$, and if you desaturate by 10%, it is $48, 30.136, 103.904$.

Distribution



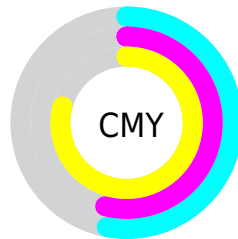
- Red (47%)
- Green (45%)
- Blue (20%)



- Red (22%)
- Yellow (47%)
- Blue (20%)



- Cyan (0%)
- Magenta (3%)
- Yellow (56%)
- Black (53%)





- Cyan (53%)
- Magenta (54%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 36.151, 102.994 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, 36.151, 102.994 by changing the saturation by 10% instead.

 48, 36.151,
102.994


 48, 36.151,
102.994


 100, 36.151,
102.994


 38, 36.151,
102.994

 68, 36.151,
102.994


 28, 36.151,
102.994

 78, 36.151,
102.994

 18, 36.151,
102.994

 88, 36.151,
102.994

 8, 36.151, 102.994

 98, 36.151,
102.994

 0, 36.151, 102.994

 48, 36.151,

 48, 36.151,

102.994

102.994

■ 48, 41.675,
102.152

■ 48, 30.136,
103.904

■ 47, 46.442,
101.396

■ 49, 23.815,
104.849

■ 47, 50.134,
100.756

■ 49, 17.315,
105.813

■ 47, 52.643,
100.236

■ 49, 10.716,
106.780

■ 47, 53.586,
100.041

■ 50, 4.071, 107.730

■ 50, 2.586, 288.706

■ 51, 9.236, 289.603

■ 51, 15.862,
290.482

■ 52, 22.456,

Harmonies

Complementary

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



48, 36.151, 102.994



26, 41.621, 296.606

Rectangle

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



48, 36.151, 102.994



48, 36.151, 152.994



48, 36.151, 282.994



48, 36.151, 332.994

Sweetspot

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



48, 36.152, 102.997



63, 14.021, 106.654



31, 32.075, 22.335



33, 9.449, 106.504



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, 36.152, 102.997



61, 52.046, 101.949



47, 40.131, 124.808



24, 3.687, 107.459



48, 54.529, 100.034



93, 92.289, 99.871

Inverse Universe

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



26, 41.621, 296.606



29, 62.997, 299.369



29, 43.940, 310.287



22, 3.756, 289.238



13, 75.294, 305.407



32, 130.010, 305.915

Previews

White Background



This preview shows how the CIELCh color 48, 36.151, 102.994 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, 36.151, 102.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

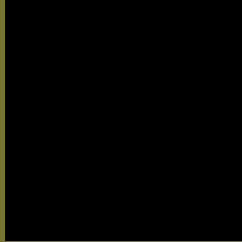
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 36.151, 102.994

Background



This preview shows how black text looks on a background with the CIELCh color 48, 36.151, 102.994.



This preview shows how white text looks on a background with the CIELCh color 48, 36.151, 102.994.

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, 36.151, 102.994

Protanopia

48, 35.684, 96.115

Deuteranopia

48, 34.898, 78.812



Tritanopia
48, 8.731, 343.136

Trichromacy



Original Color
48, 36.151, 102.994

Protanomaly
48, 35.933, 98.457

Deuteranomaly
48, 34.505, 87.846

Tritanomaly
48, 11.821, 82.409

Monochromacy



Original Color
48, 36.151, 102.994

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 13.515, 106.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 36.151, 102.994 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(119, 116, 52)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 52)  
}
```

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(119, 116, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 36.151, 102.994 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(119, 116, 52) }
```

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

```
.border{ border-color:rgb(119, 116, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 116, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 52);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 36.151, 102.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 52) }
```

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

```
.background{ background-color: rgb(119,  
116, 52) }
```

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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