

Converting Colors

CIELCh(48, 33.909, 132.506)

Have a look what the booklet for
CIELCh(48, 33.909, 132.506)
contains.

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Color

CIELCh(48, 33.974, 132.475)

Conversions

Conversions Part 1

Format	Color
Hex	587B46
RGB	88, 123, 70
RGB Percent	35%, 48%, 27%
CMY	0.6535, 0.5162, 0.7242
CMYK	0.28, 0.00, 0.43, 0.52
HSL	100°, 27%, 38%
HSV	100°, 43%, 48%
XYZ	12.3021, 16.7945, 8.4433
YIQ	106.4930, -3.8470, -23.9030

Conversions

Conversions Part 2

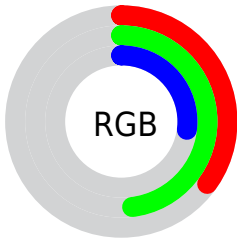
Format	Color
RYB	70, 123, 105
Decimal	5798726
CIELab	48.00, -22.94, 25.06
CIELCh	48, 33.974, 132.475
Yxy	16.7945, 0.3277, 0.4474
Android (android.graphics.Color)	4283988806 (0xFF587B46)
YUV	106.4930, -17.9910, -16.2184
Hunter-Lab	40.9810, -18.1327, 16.4713

Details

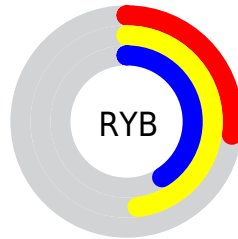
The CIELCh color $48, 33.974, 132.475$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 35.219, 316.232$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 34.282, 132.610$, and $28, 33.820, 132.556$ is the 20% darker color. If you saturate the color by 10%, you get $47, 41.463, 131.986$, and if you desaturate by 10%, it is $49, 26.203, 132.983$.

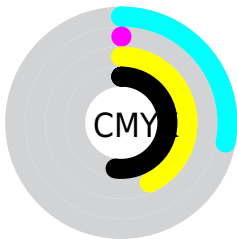
Distribution



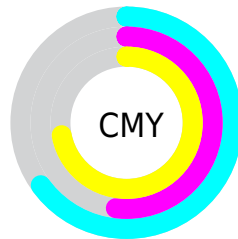
- Red (35%)
- Green (48%)
- Blue (27%)



- Red (27%)
- Yellow (48%)
- Blue (41%)



- Cyan (28%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)





- Cyan (65%)
- Magenta (52%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 33.974, 132.475 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, 33.974, 132.475 by changing the saturation by 10% instead.


 48, 33.974,
132.475


 48, 33.974,
132.475


 100, 33.974,
132.475


 38, 33.974,
132.475

 68, 33.974,
132.475


 28, 33.974,
132.475

 78, 33.974,
132.475

 18, 33.974,
132.475

 88, 33.974,
132.475

 8, 33.974, 132.475

 98, 33.974,
132.475

 0, 33.974, 132.475

 48, 33.974,

 48, 33.974,

132.475

■ 47, 41.463,
131.986

■ 47, 48.481,
131.567

■ 46, 54.777,
131.299

■ 46, 60.047,
131.290

■ 45, 64.000,
131.646

■ 45, 66.386,
131.878

132.475

■ 49, 26.203,
132.983

■ 50, 18.281,
133.476

■ 50, 10.309,
133.939

■ 51, 2.356, 134.396

■ 53, 5.527, 314.700

■ 54, 13.304,
315.045

■ 55, 20.948,
315.342

■ 56, 28.444,
315.600

■ 57, 35.782,
315.824

Harmonies

Complementary

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



48, 33.974, 132.475



36, 35.219, 316.232

Rectangle

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



48, 33.974, 132.475



48, 33.974, 182.475



48, 33.974, 312.475



48, 33.974, 2.475

Sweetspot

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



48, 33.975, 132.476



65, 12.811, 133.924



45, 22.220, 84.349



34, 9.040, 133.839



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, 33.975, 132.476



61, 50.488, 131.973



47, 33.994, 145.500



25, 4.436, 134.113



46, 67.012, 131.897



88, 113.787, 132.631

Inverse Universe

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



36, 35.219, 316.232



42, 52.759, 316.611



38, 33.989, 331.378



24, 4.475, 314.805



21, 70.980, 316.475



46, 119.899, 315.944

Previews

White Background



This preview shows how the CIELCh color 48, 33.974, 132.475 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, 33.974, 132.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

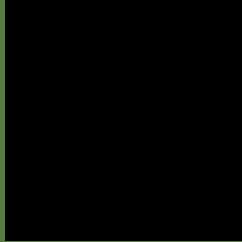
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 33.974, 132.475

Background



This preview shows how black text looks on a background with the CIELCh color 48, 33.974, 132.475.



This preview shows how white text looks on a background with the CIELCh color 48, 33.974, 132.475.

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](#).

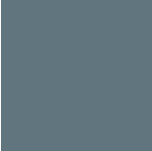
Dichromacy



Original Color
48, 33.974, 132.475

Protanopia
48, 27.570, 96.744

Deuteranopia
48, 24.528, 75.331



Tritanopia
48, 9.029, 234.936

Trichromacy



Original Color
48, 33.974, 132.475

Protanomaly
48, 28.284, 111.879

Deuteranomaly
48, 23.906, 101.416

Tritanomaly
48, 12.684, 160.868

Monochromacy



Original Color
48, 33.974, 132.475

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 12.518, 134.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 33.974, 132.475 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(88, 123, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 123, 70)  
}
```

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(88, 123, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 123, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 33.974, 132.475 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(88, 123, 70) }
```

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

```
.border{ border-color:rgb(88, 123, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 123, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 123, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 123, 70);  
box-shadow:4px 4px 4px 4px rgb(88, 123,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 33.974, 132.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 123, 70) }
```

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

```
.background{ background-color: rgb(88, 123,  
70) }
```

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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