

Converting Colors

CIELCh(48, 36.843, 128.086)

Have a look what the booklet for
CIELCh(48, 36.843, 128.086)
contains.

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Color

CIELCh(48, 36.889, 128.066)

Conversions

Conversions Part 1

Format	Color
Hex	5B7B3F
RGB	91, 123, 63
RGB Percent	36%, 48%, 25%
CMY	0.6426, 0.5171, 0.7524
CMYK	0.26, 0.00, 0.49, 0.52
HSL	92°, 32%, 37%
HSV	92°, 49%, 48%
XYZ	12.3309, 16.7945, 7.3143
YIQ	106.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

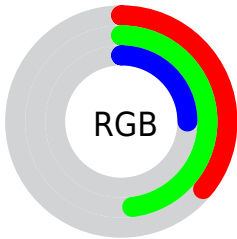
Format	Color
RYB	63, 123, 95
Decimal	5995327
CIELab	48.00, -22.74, 29.04
CIELCh	48, 36.889, 128.066
Yxy	16.7945, 0.3384, 0.4609
Android (android.graphics.Color)	4284185407 (0xFF5B7B3F)
YUV	106.5920, -21.4909, -13.6742
Hunter-Lab	40.9810, -18.0075, 18.1046

Details

The CIELCh color $48, 36.889, 128.066$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $33, 39.274, 312.473$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 37.016, 127.942$, and $28, 36.925, 128.365$ is the 20% darker color. If you saturate the color by 10%, you get $47, 43.851, 127.699$, and if you desaturate by 10%, it is $49, 29.563, 128.506$.

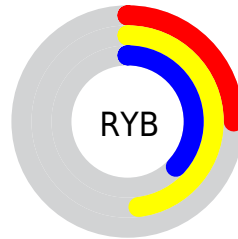
Distribution



Red (36%)

Green (48%)

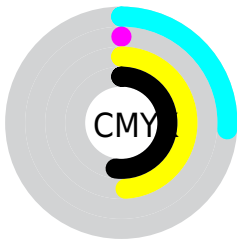
Blue (25%)



Red (25%)

Yellow (48%)

Blue (37%)

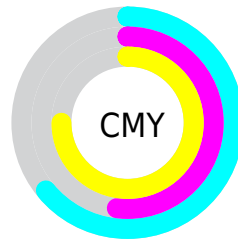


Cyan (26%)

Magenta (0%)

Yellow (49%)

Black (52%)



Cyan (64%)


Magenta (52%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 36.889, 128.066 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, 36.889, 128.066 by changing the saturation by 10% instead.


 48, 36.889,
128.066


 48, 36.889,
128.066


 100, 36.889,
128.066


 38, 36.889,
128.066

 68, 36.889,
128.066


 28, 36.889,
128.066

 78, 36.889,
128.066

 18, 36.889,
128.066

 88, 36.889,
128.066

 8, 36.889, 128.066

 98, 36.889,
128.066

 0, 36.889, 128.066

 48, 36.889,

 48, 36.889,

128.066

128.066

■ 47, 43.851,
127.699

■ 49, 29.563,
128.506

■ 47, 50.236,
127.473

■ 49, 22.022,
128.971

■ 46, 55.770,
127.487

■ 50, 14.371,
129.433

■ 46, 60.150,
127.855

■ 51, 6.688, 129.879

■ 46, 63.526,
128.476

■ 52, 0.976, 310.182

■ 53, 8.582, 310.639

■ 46, 63.956,
128.536

■ 54, 16.101,
310.984

■ 55, 23.514,
311.293

■ 56, 30.808,

Harmonies

Complementary

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



48, 36.889, 128.066



33, 39.274, 312.473

Rectangle

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



48, 36.889, 128.066



48, 36.889, 178.066



48, 36.889, 308.066



48, 36.889, 358.066

Sweetspot

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



48, 36.890, 128.067



65, 14.301, 129.584



42, 23.519, 71.244



34, 9.835, 129.506



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, 36.890, 128.067



61, 53.761, 127.678



46, 41.896, 141.140



25, 4.293, 129.864



46, 64.642, 128.560



89, 109.765, 129.413

Inverse Universe

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



33, 39.274, 312.473



39, 58.096, 312.940



36, 41.715, 327.371



24, 4.344, 310.587



19, 72.800, 313.059



41, 123.190, 312.465

Previews

White Background



This preview shows how the CIELCh color 48, 36.889, 128.066 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, 36.889, 128.066 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, 36.889, 128.066

Background



This preview shows how black text looks on a background with the CIELCh color 48, 36.889, 128.066.



This preview shows how white text looks on a background with the CIELCh color 48, 36.889, 128.066.

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

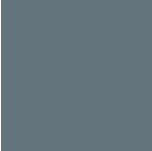
48, 36.889, 128.066

Protanopia

48, 31.436, 96.438

Deuteranopia

48, 28.136, 76.656



Tritanopia
48, 7.928, 241.147

Trichromacy



Original Color
48, 36.889, 128.066

Protanomaly
48, 31.980, 109.138

Deuteranomaly
48, 27.900, 99.671

Tritanomaly
48, 13.058, 151.940

Monochromacy



Original Color
48, 36.889, 128.066

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 13.962, 129.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 36.889, 128.066 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(91, 123, 63)` looks like.

```
.text, #text, p{  
    color:rgb(91, 123, 63)  
}
```

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(91, 123, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 123, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 36.889, 128.066 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(91, 123, 63) }
```

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

```
.border{ border-color:rgb(91, 123, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 123, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 123, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 123, 63);  
box-shadow:4px 4px 4px 4px rgb(91, 123,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 36.889, 128.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 123, 63) }
```

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

```
.background{ background-color: rgb(91, 123,  
63) }
```

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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