

Converting Colors

CIELCh(48, 25.115, 138.691)

Have a look what the booklet for
CIELCh(48, 25.115, 138.691)
contains.

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Color

CIELCh(48, 25.224, 138.337)

Conversions

Conversions Part 1

Format	Color
Hex	5B7A55
RGB	91, 122, 85
RGB Percent	36%, 48%, 33%
CMY	0.6432, 0.5216, 0.6667
CMYK	0.25, 0.00, 0.30, 0.52
HSL	110°, 18%, 41%
HSV	110°, 30%, 48%
XYZ	12.9098, 16.7945, 11.1527
YIQ	108.5130, -6.5990, -18.0790

Conversions

Conversions Part 2

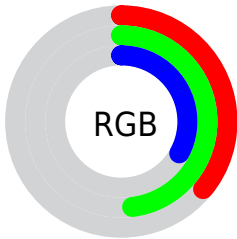
Format	Color
R_{YB}	85, 122, 116
Decimal	5995093
CIE _{Lab}	48.00, -18.84, 16.77
CIE _{LCh}	48, 25.224, 138.337
Yxy	16.7945, 0.3160, 0.4111
Android (android.graphics.Color)	4284185173 (0xFF5B7A55)
YUV	108.5130, -11.5919, -15.3589
Hunter-Lab	40.9810, -15.4860, 12.5514

Details

The CIELCh color $48, 25.224, 138.337$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 25.486, 321.250$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 25.434, 138.388$, and $28, 25.302, 137.836$ is the 20% darker color. If you saturate the color by 10%, you get $47, 33.409, 137.678$, and if you desaturate by 10%, it is $49, 16.903, 138.937$.

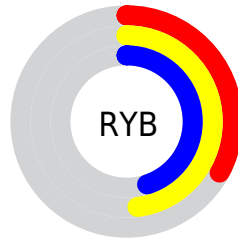
Distribution



Red (36%)

Green (48%)

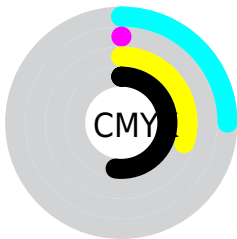
Blue (33%)



Red (33%)

Yellow (48%)

Blue (45%)

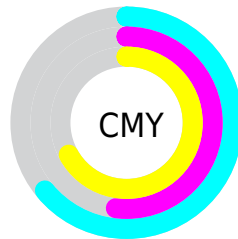


Cyan (25%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (64%)


Magenta (52%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.224, 138.337 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, 25.224, 138.337 by changing the saturation by 10% instead.


 48, 25.224,
138.337


 48, 25.224,
138.337


 100, 25.224,
138.337


 38, 25.224,
138.337

 68, 25.224,
138.337


 28, 25.224,
138.337

 78, 25.224,
138.337

 18, 25.224,
138.337

 88, 25.224,
138.337

 8, 25.224, 138.337

 98, 25.224,
138.337

 0, 25.224, 138.337

 48, 25.224,

 48, 25.224,

138.337

138.337

■ 47, 33.409,
137.678

■ 49, 16.903,
138.937

■ 46, 41.302,
136.974

■ 50, 8.555, 139.474

■ 46, 48.706,
136.265

■ 51, 0.266, 140.488

■ 52, 7.904, 320.298

■ 45, 55.361,
135.617

■ 54, 15.914,
320.652

■ 45, 60.956,
135.129

■ 55, 23.738,
320.950

■ 45, 65.167,
134.917

■ 57, 31.359,
321.204

■ 44, 68.234,
134.752

■ 58, 38.769,
321.420

■ 60, 45.968,

Harmonies

Complementary

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



48, 25.224, 138.337



41, 25.486, 321.250

Rectangle

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



48, 25.224, 138.337



48, 25.224, 188.337



48, 25.224, 318.337



48, 25.224, 8.337

Sweetspot

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



48, 25.225, 138.338



64, 9.209, 139.531



49, 18.162, 99.052



33, 6.369, 139.469



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, 25.225, 138.338



61, 36.942, 137.912



48, 20.866, 153.281



25, 4.673, 139.538



45, 69.441, 134.774



87, 117.569, 135.208

Inverse Universe

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



41, 25.486, 321.250



50, 37.383, 321.524



41, 21.147, 337.843



24, 4.695, 320.306



25, 69.024, 322.248



53, 116.316, 321.943

Previews

White Background



This preview shows how the CIE LCh color 48, 25.224, 138.337 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 CIE LCh color 48, 25.224, 138.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

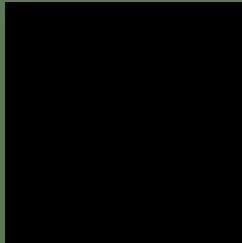
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 25.224, 138.337

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.224, 138.337.



This preview shows how white text looks on a background with the CIELCh color 48, 25.224, 138.337.

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

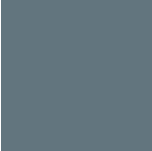
48, 25.224, 138.337

Protanopia

48, 19.144, 95.376

Deuteranopia

48, 16.519, 67.859



Tritanopia
48, 8.745, 236.327

Trichromacy



Original Color
48, 25.224, 138.337

Protanomaly
48, 19.902, 113.850

Deuteranomaly
48, 15.883, 101.630

Tritanomaly
48, 10.639, 171.892

Monochromacy



Original Color
48, 25.224, 138.337

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 9.687, 139.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.224, 138.337 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, 122, 85)` looks like.

```
.text, #text, p{  
    color:rgb(91, 122, 85)  
}
```

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, 122, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 122, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.224, 138.337 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, 122, 85) }
```

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

```
.border{ border-color:rgb(91, 122, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 122, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 122, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 122, 85);  
box-shadow:4px 4px 4px 4px rgb(91, 122,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.224, 138.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 122, 85) }
```

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

```
.background{ background-color: rgb(91, 122,  
85) }
```

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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