

Converting Colors

CIELCh(48, 24.751, 113.301)

Have a look what the booklet for
CIELCh(48, 24.751, 113.301)
contains.

CIELCh(48, 25.004, 114.023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 25.004, 114.023)

Conversions

Conversions Part 1

Format	Color
Hex	6F764B
RGB	111, 118, 75
RGB Percent	44%, 46%, 29%
CMY	0.5653, 0.5379, 0.7065
CMYK	0.06, 0.00, 0.36, 0.54
HSL	70°, 22%, 38%
HSV	70°, 36%, 46%
XYZ	14.2600, 16.7945, 9.1200
YIQ	111.0050, 9.6310, -14.8570

Conversions

Conversions Part 2

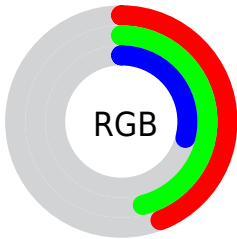
Format	Color
R_{YB}	75, 118, 82
Decimal	7304779
CIE _{Lab}	48.00, -10.18, 22.84
CIE _{LCh}	48, 25.004, 114.023
Yxy	16.7945, 0.3550, 0.4180
Android (android.graphics.Color)	4285494859 (0xFF6F764B)
YUV	111.0050, -17.7505, -0.0044
Hunter-Lab	40.9810, -9.6050, 15.4923

Details

The CIELCh color **48, 25.004, 114.023** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 27.144, 299.784**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 25.150, 114.159**, and **28, 25.063, 114.627** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.529, 113.369**, and if you desaturate by 10%, it is **48, 18.272, 114.717**.

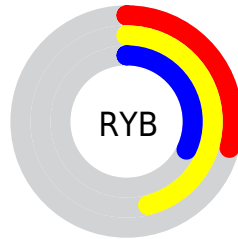
Distribution



 Red (44%)

 Green (46%)

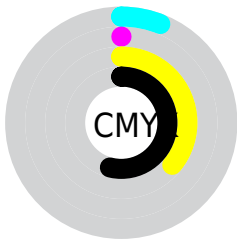
 Blue (29%)



 Red (29%)

 Yellow (46%)

 Blue (32%)

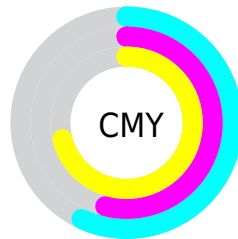


 Cyan (6%)


 Magenta (0%)

 Yellow (36%)

 Black (54%)



 Cyan (57%)

 Magenta (54%)

 Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.004, 114.023 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, 25.004, 114.023 by changing the saturation by 10% instead.


 48, 25.004,
114.023


 48, 25.004,
114.023


 100, 25.004,
114.023


 38, 25.004,
114.023

 68, 25.004,
114.023

 28, 25.004,
114.023

 78, 25.004,
114.023

 18, 25.004,
114.023

 88, 25.004,
114.023

 8, 25.004, 114.023

 98, 25.004,
114.023

 0, 25.004, 114.023

 48, 25.004,

 48, 25.004,

114.023

114.023

■ 48, 31.529,
113.369

■ 48, 18.272,
114.717

■ 47, 37.714,
112.782

■ 49, 11.416,
115.420

■ 47, 43.375,
112.312

■ 49, 4.495, 116.116

■ 47, 48.258,
112.021

■ 50, 2.451, 296.797

■ 50, 9.395, 297.452

■ 47, 52.069,
111.981

■ 51, 16.315,
298.077

■ 46, 54.764,
112.203

■ 51, 23.198,
298.670

■ 46, 55.695,
112.274

■ 52, 30.031,
299.228

■ 53, 36.807,

Harmonies

Complementary

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



48, 25.004, 114.023



34, 27.144, 299.784

Rectangle

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



48, 25.004, 114.023



48, 25.004, 164.023



48, 25.004, 294.023



48, 25.004, 344.023

Sweetspot

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



48, 25.005, 114.026



63, 9.445, 115.784



38, 17.472, 34.588



32, 6.308, 115.713



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 25.005, 114.026



61, 37.023, 113.457



46, 27.794, 132.492



24, 3.888, 115.940



48, 57.236, 112.310



93, 97.207, 112.806

Inverse Universe

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



34, 27.144, 299.784



40, 41.179, 300.790



36, 28.685, 315.633



22, 3.965, 297.213



13, 76.636, 307.192



33, 130.561, 306.870

Previews

White Background



This preview shows how the CIELCh color 48, 25.004, 114.023 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, 25.004, 114.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

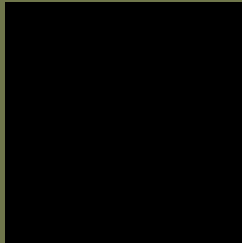
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 25.004, 114.023

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.004, 114.023.



This preview shows how white text looks on a background with the CIELCh color 48, 25.004, 114.023.

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, 25.004, 114.023

Protanopia

48, 24.258, 96.004

Deuteranopia

48, 22.749, 74.404



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color
48, 25.004, 114.023

Protanomaly
48, 23.832, 102.538

Deuteranomaly
48, 22.173, 89.218

Tritanomaly
48, 5.883, 105.292

Monochromacy



Original Color
48, 25.004, 114.023

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.867, 114.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.004, 114.023 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(111, 118, 75)` looks like.

```
.text, #text, p{  
    color:rgb(111, 118, 75)  
}
```

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(111, 118, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 118, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.004, 114.023 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(111, 118, 75) }
```

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

```
.border{ border-color:rgb(111, 118, 75) }
```

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

Here you see how a box with a 4 pixel rgb(111, 118, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 118, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 118, 75);  
box-shadow:4px 4px 4px 4px rgb(111, 118,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.004, 114.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 118, 75) }
```

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

```
.background{ background-color: rgb(111,  
118, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor