

Converting Colors

CIELCh(48, 22.649, 105.954)

Have a look what the booklet for
CIELCh(48, 22.649, 105.954)
contains.

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Color

CIELCh(48, 22.605, 105.951)

Conversions

Conversions Part 1

Format	Color
Hex	75744D
RGB	117, 116, 77
RGB Percent	46%, 45%, 30%
CMY	0.5414, 0.5453, 0.6982
CMYK	0.00, 0.01, 0.34, 0.54
HSL	59°, 21%, 38%
HSV	59°, 34%, 46%
XYZ	14.9083, 16.7945, 9.4694
YIQ	111.8530, 13.1150, -11.9170

Conversions

Conversions Part 2

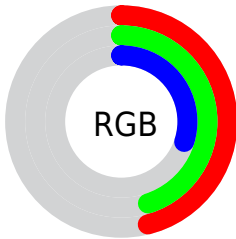
Format	Color
R_{YB}	78, 117, 77
Decimal	7697485
CIE Lab	48.00, -6.21, 21.73
CIE LCh	48, 22.605, 105.951
Yxy	16.7945, 0.3621, 0.4079
Android (android.graphics.Color)	4285887565 (0xFF75744D)
YUV	111.8530, -17.1825, 4.5139
Hunter-Lab	40.9810, -6.7810, 14.9868

Details

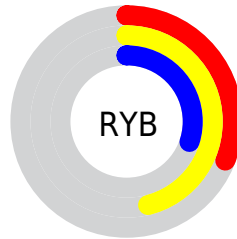
The CIELCh color $48, 22.605, 105.951$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 24.401, 293.334$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.879, 105.735$, and $28, 22.497, 105.724$ is the 20% darker color. If you saturate the color by 10%, you get $48, 28.959, 105.033$, and if you desaturate by 10%, it is $48, 16.082, 106.896$.

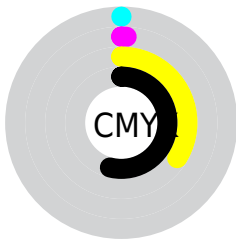
Distribution



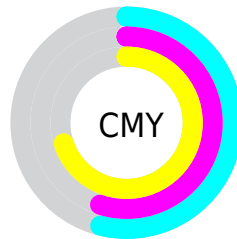
- Red (46%)
- Green (45%)
- Blue (30%)



- Red (31%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (1%)
- Yellow (34%)
- Black (54%)





- Cyan (54%)
- Magenta (55%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 22.605, 105.951 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, 22.605, 105.951 by changing the saturation by 10% instead.


 48, 22.605,
105.951


 48, 22.605,
105.951


 100, 22.605,
105.951


 38, 22.605,
105.951

 68, 22.605,
105.951


 28, 22.605,
105.951

 78, 22.605,
105.951

 18, 22.605,
105.951

 88, 22.605,
105.951

 8, 22.605, 105.951

 98, 22.605,
105.951

 0, 22.605, 105.951

 48, 22.605,

 48, 22.605,

105.951

105.951

■ 48, 28.959,
105.033

■ 48, 16.082,
106.896

■ 47, 35.026,
104.152

■ 49, 9.463, 107.840

■ 47, 40.632,
103.336

■ 49, 2.797, 108.765

■ 49, 3.883, 289.715

■ 47, 45.536,
102.616

■ 50, 10.557,
290.601

■ 47, 49.436,
102.022

■ 50, 17.210,
291.461

■ 47, 52.114,
101.571

■ 51, 23.831,
292.286

■ 47, 53.530,
101.329

■ 52, 30.413,
293.074

■ 52, 36.949,

Harmonies

Complementary

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



48, 22.605, 105.951



35, 24.401, 293.334

Rectangle

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



48, 22.605, 105.951



48, 22.605, 155.951



48, 22.605, 285.951



48, 22.605, 335.951

Sweetspot

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



48, 22.606, 105.955



63, 8.310, 108.209



37, 18.184, 19.710



32, 5.635, 108.106



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, 22.606, 105.955



61, 33.551, 105.227



47, 24.655, 126.344



24, 3.762, 108.323



49, 55.299, 101.322



94, 93.661, 101.235

Inverse Universe

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



35, 24.401, 293.334



41, 37.037, 294.636



36, 25.906, 309.570



22, 3.836, 290.074



12, 76.360, 305.798



32, 130.798, 306.082

Previews

White Background



This preview shows how the CIE LCh color 48, 22.605, 105.951 looks on a white background.

Color Contrast Check

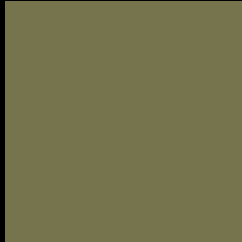
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.605, 105.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

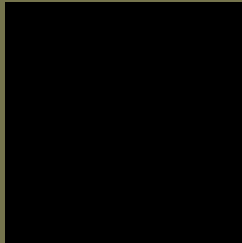
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.605, 105.951

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.605, 105.951.



This preview shows how white text looks on a background with the CIELCh color 48, 22.605, 105.951.

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, 22.605, 105.951

Protanopia

48, 22.492, 96.639

Deuteranopia

48, 22.248, 73.726



Tritanopia
48, 6.504, 333.743

Trichromacy



Original Color
48, 22.605, 105.951

Protanomaly
48, 22.802, 100.217

Deuteranomaly
48, 21.412, 86.174

Tritanomaly
48, 6.047, 80.223

Monochromacy



Original Color
48, 22.605, 105.951

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.237, 106.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.605, 105.951 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(117, 116, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 77)  
}
```

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(117, 116, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.605, 105.951 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(117, 116, 77) }
```

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

```
.border{ border-color:rgb(117, 116, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 116, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 116, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 116, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 116,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.605, 105.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 77) }
```

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

```
.background{ background-color: rgb(117,  
116, 77) }
```

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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