

Converting Colors

CIELCh(48, 22.958, 117.114)

Have a look what the booklet for
CIELCh(48, 22.958, 117.114)
contains.

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Color

CIELCh(48, 22.927, 117.130)

Conversions

Conversions Part 1

Format	Color
Hex	6D764F
RGB	109, 118, 79
RGB Percent	43%, 46%, 31%
CMY	0.5723, 0.5370, 0.6899
CMYK	0.08, 0.00, 0.33, 0.54
HSL	74°, 20%, 39%
HSV	74°, 33%, 46%
XYZ	14.2156, 16.7945, 9.9023
YIQ	110.8630, 7.1550, -14.0370

Conversions

Conversions Part 2

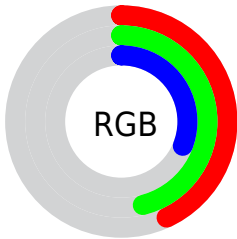
Format	Color
RYB	79, 118, 88
Decimal	7173711
CIELab	48.00, -10.45, 20.40
CIElCh	48, 22.927, 117.130
Yxy	16.7945, 0.3475, 0.4105
Android (android.graphics.Color)	4285363791 (0xFF6D764F)
YUV	110.8630, -15.7085, -1.6339
Hunter-Lab	40.9810, -9.7982, 14.3605

Details

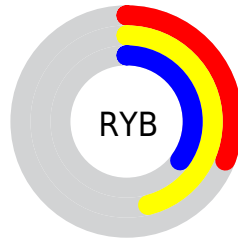
The CIELCh color $48, 22.927, 117.130$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 24.564, 301.659$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.620, 117.173$, and $28, 22.906, 117.088$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.615, 116.536$, and if you desaturate by 10%, it is $48, 16.070, 117.755$.

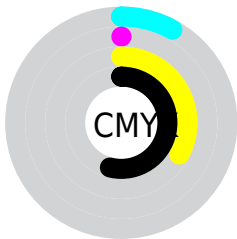
Distribution



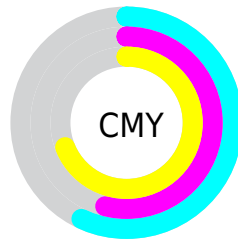
- Red (43%)
- Green (46%)
- Blue (31%)



- Red (31%)
- Yellow (46%)
- Blue (35%)



- Cyan (8%)
- Magenta (0%)
- Yellow (33%)
- Black (54%)




- Cyan (57%)
- Magenta (54%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 22.927, 117.130 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, 22.927, 117.130 by changing the saturation by 10% instead.


 48, 22.927,
117.130


 48, 22.927,
117.130


 100, 22.927,
117.130


 38, 22.927,
117.130

 68, 22.927,
117.130


 28, 22.927,
117.130

 78, 22.927,
117.130

 18, 22.927,
117.130

 88, 22.927,
117.130

 8, 22.927, 117.130

 98, 22.927,
117.130

 0, 22.927, 117.130

 48, 22.927,

 48, 22.927,

117.130

117.130

■ 48, 29.615,
116.536

■ 48, 16.070,
117.755

■ 47, 36.019,
115.999

■ 49, 9.117, 118.381

■ 47, 41.978,
115.568

■ 49, 2.120, 119.002

■ 50, 4.885, 299.584

■ 47, 47.262,
115.308

■ 51, 11.872,
300.153

■ 46, 51.587,
115.301

■ 51, 18.823,
300.689

■ 46, 54.698,
115.627

■ 52, 25.723,
301.192

■ 46, 56.604,
115.897

■ 53, 32.561,
301.663

■ 54, 39.330,

Harmonies

Complementary

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



48, 22.927, 117.130



36, 24.564, 301.659

Rectangle

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



48, 22.927, 117.130



48, 22.927, 167.130



48, 22.927, 297.130



48, 22.927, 347.130

Sweetspot

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



48, 22.928, 117.133



63, 8.650, 118.555



40, 14.984, 40.916



32, 5.866, 118.487



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, 22.928, 117.133



61, 34.105, 116.654



47, 25.746, 134.723



24, 3.916, 118.630



48, 58.095, 115.942



91, 98.811, 116.597

Inverse Universe

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



36, 24.564, 301.659



43, 37.278, 302.419



38, 26.315, 317.607



22, 3.990, 299.750



14, 75.952, 307.817



34, 129.526, 307.403

Previews

White Background



This preview shows how the CIELCh color 48, 22.927, 117.130 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, 22.927, 117.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

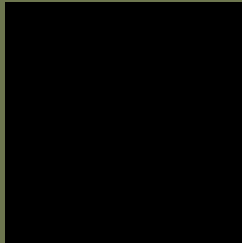
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

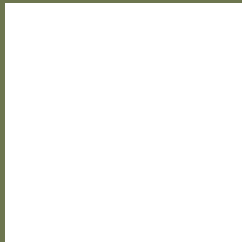
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 22.927, 117.130

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.927, 117.130.



This preview shows how white text looks on a background with the CIELCh color 48, 22.927, 117.130.

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, 22.927, 117.130

Protanopia

48, 21.931, 96.470

Deuteranopia

48, 20.479, 72.479



Tritanopia
48, 5.382, 299.319

Trichromacy



Original Color
48, 22.927, 117.130

Protanomaly
48, 21.540, 103.633

Deuteranomaly
48, 19.816, 88.902

Tritanomaly
48, 5.352, 118.369

Monochromacy



Original Color
48, 22.927, 117.130

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.984, 119.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.927, 117.130 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(109, 118, 79)` looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 79)  
}
```

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(109, 118, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.927, 117.130 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(109, 118, 79) }
```

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

```
.border{ border-color:rgb(109, 118, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 79);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.927, 117.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 79) }
```

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

```
.background{ background-color: rgb(109,  
118, 79) }
```

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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