

Converting Colors

CIELCh(48, 13.958, 115.292)

Have a look what the booklet for
CIELCh(48, 13.958, 115.292)
contains.

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Color

CIELCh(48, 13.558, 115.640)

Conversions

Conversions Part 1

Format	Color
Hex	70745D
RGB	112, 116, 93
RGB Percent	44%, 45%, 36%
CMY	0.5599, 0.5442, 0.6345
CMYK	0.03, 0.00, 0.20, 0.54
HSL	70°, 11%, 41%
HSV	70°, 20%, 46%
XYZ	14.9657, 16.7945, 12.8578
YIQ	112.1820, 4.9990, -8.0010

Conversions

Conversions Part 2

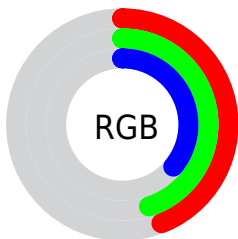
Format	Color
RYB	93, 116, 97
Decimal	7369821
CIELab	48.00, -5.87, 12.22
CIELCh	48, 13.558, 115.640
Yxy	16.7945, 0.3354, 0.3764
Android (android.graphics.Color)	4285559901 (0xFF70745D)
YUV	112.1820, -9.4567, -0.1596
Hunter-Lab	40.9810, -6.5311, 10.0845

Details

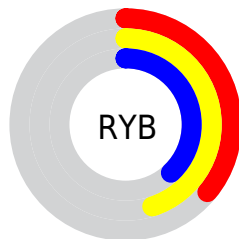
The CIELCh color $48, 13.558, 115.640$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 14.127, 298.503$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 13.777, 115.379$, and $28, 13.545, 115.726$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.314, 114.957$, and if you desaturate by 10%, it is $48, 6.725, 116.330$.

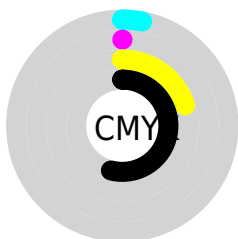
Distribution



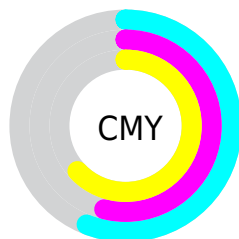
- Red (44%)
- Green (45%)
- Blue (36%)



- Red (36%)
- Yellow (45%)
- Blue (38%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (54%)




- Cyan (56%)
- Magenta (54%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 13.558, 115.640 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, 13.558, 115.640 by changing the saturation by 10% instead.

 48, 13.558,
115.640


 48, 13.558,
115.640


 100, 13.558,
115.640


 38, 13.558,
115.640

 68, 13.558,
115.640


 28, 13.558,
115.640

 78, 13.558,
115.640

 18, 13.558,
115.640

 88, 13.558,
115.640

 8, 13.558, 115.640

 98, 13.558,
115.640

 0, 13.558, 115.640

 48, 13.558,

 48, 13.558,

115.640

115.640

■ 48, 20.314,
114.957

■ 48, 6.725, 116.330

■ 47, 26.924,
114.288

■ 49, 0.145, 296.994

■ 49, 7.019, 297.651

■ 47, 33.291,
113.664

■ 50, 13.876,
298.272

■ 47, 39.273,
113.125

■ 51, 20.699,
298.862

■ 46, 44.665,
112.722

■ 51, 27.475,
299.418

■ 46, 49.200,
112.524

■ 52, 34.195,
299.940

■ 46, 52.589,
112.607

■ 53, 40.852,
300.429

■ 46, 55.207,
112.862

■ 53, 47.440,

■ 46, 55.261,
112.866

300.884

Harmonies

Complementary

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



48, 13.558, 115.640



41, 14.127, 298.503

Rectangle

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



48, 13.558, 115.640



48, 13.558, 165.640



48, 13.558, 295.640



48, 13.558, 345.640

Sweetspot

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



48, 13.559, 115.644



62, 5.087, 116.577



43, 8.669, 35.680



32, 3.401, 116.545



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, 13.559, 115.644



61, 20.269, 115.313



47, 15.018, 133.838



24, 3.892, 116.381



48, 57.359, 112.917



92, 97.438, 113.442

Inverse Universe

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



41, 14.127, 298.503



50, 21.347, 298.937



42, 15.261, 315.460



22, 3.969, 297.628



13, 76.535, 307.281



33, 130.414, 306.944

Previews

White Background



This preview shows how the CIELCh color 48, 13.558, 115.640 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, 13.558, 115.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

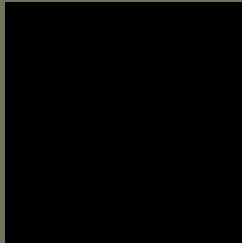
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

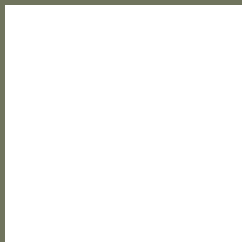
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 13.558, 115.640

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.558, 115.640.



This preview shows how white text looks on a background with the CIELCh color 48, 13.558, 115.640.

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, 13.558, 115.640

Protanopia

48, 13.241, 95.057

Deuteranopia

48, 13.129, 58.730



Tritanopia
48, 5.570, 307.426

Trichromacy



Original Color
48, 13.558, 115.640

Protanomaly
48, 13.507, 102.799

Deuteranomaly
48, 12.028, 80.530

Tritanomaly
48, 1.801, 96.778

Monochromacy



Original Color
48, 13.558, 115.640

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.361, 118.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.558, 115.640 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(112, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(112, 116, 93)  
}
```

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(112, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 116, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.558, 115.640 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(112, 116, 93) }
```

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

```
.border{ border-color:rgb(112, 116, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 116, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(112, 116,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.558, 115.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 116, 93) }
```

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

```
.background{ background-color: rgb(112,  
116, 93) }
```

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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