

Converting Colors

CIELCh(55, 13.306, 101.275)

Have a look what the booklet for
CIELCh(55, 13.306, 101.275)
contains.

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Color

CIELCh(55, 13.230, 101.235)

Conversions

Conversions Part 1

Format	Color
Hex	88846D
RGB	136, 132, 109
RGB Percent	53%, 52%, 43%
CMY	0.4657, 0.4814, 0.5716
CMYK	0.00, 0.03, 0.20, 0.47
HSL	51°, 11%, 48%
HSV	51°, 20%, 53%
XYZ	21.2481, 22.9298, 17.8388
YIQ	130.5740, 9.7670, -6.3050

Conversions

Conversions Part 2

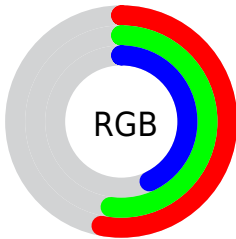
Format	Color
R_{YB}	114, 136, 109
Decimal	8946797
CIE _{Lab}	55.00, -2.58, 12.98
CIE _{LCh}	55, 13.230, 101.235
Yxy	22.9298, 0.3426, 0.3697
Android (android.graphics.Color)	4287136877 (0xFF88846D)
YUV	130.5740, -10.6360, 4.7586
Hunter-Lab	47.8851, -4.5932, 11.4320

Details

The CIELCh color $55, 13.230, 101.235$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $48, 13.613, 285.739$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 13.028, 100.311$, and $35, 13.657, 101.936$ is the 20% darker color. If you saturate the color by 10%, you get $54, 19.906, 100.147$, and if you desaturate by 10%, it is $56, 6.544, 102.309$.

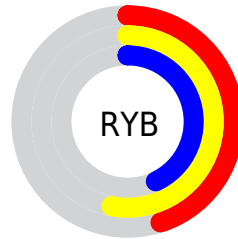
Distribution



Red (53%)

Green (52%)

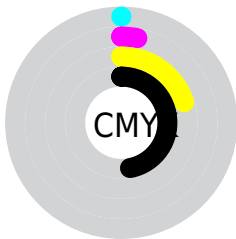
Blue (43%)



Red (45%)

Yellow (53%)

Blue (43%)

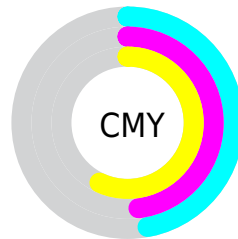


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (47%)



Cyan (47%)


Magenta (48%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 13.230, 101.235 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 55, 13.230, 101.235 by changing the saturation by 10% instead.


 55, 13.230,
101.235


 55, 13.230,
101.235


 100, 13.230,
101.235


 45, 13.230,
101.235


 75, 13.230,
101.235

 35, 13.230,
101.235

 85, 13.230,
101.235

 25, 13.230,
101.235

 95, 13.230,
101.235

 15, 13.230,
101.235

 5, 13.230, 101.235

 0, 13.230, 101.235

■ 55, 13.230,
101.235

■ 55, 13.230,
101.235

■ 54, 19.906,
100.147

■ 56, 6.544, 102.309

■ 53, 26.513, 99.038

■ 57, 0.124, 284.157

■ 53, 32.963, 97.927

■ 58, 6.755, 284.397

■ 52, 39.106, 96.822

■ 59, 13.338,
285.363

■ 51, 44.706, 95.733

■ 60, 19.867,
286.292

■ 50, 49.421, 94.663

■ 61, 26.340,
287.178

■ 50, 52.827, 93.603

■ 49, 55.126, 92.550

■ 62, 32.755,
288.021

■ 49, 55.169, 92.532

■ 63, 39.112,
288.820

■ 64, 45.410,
289.575

Harmonies

Complementary

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



55, 13.230, 101.235



48, 13.613, 285.739

Rectangle

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



55, 13.230, 101.235



55, 13.230, 151.235



55, 13.230, 281.235



55, 13.230, 331.235

Sweetspot

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



55, 13.231, 101.241



71, 4.918, 102.691



49, 11.505, 8.981



37, 3.289, 102.635



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



55, 13.231, 101.241



69, 19.745, 100.730



55, 15.866, 122.645



29, 3.791, 102.378



48, 54.109, 92.561



1, 1.761, 103.350

Inverse Universe

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



48, 13.613, 285.739



59, 20.464, 286.414



48, 16.423, 304.776



27, 3.845, 284.379



16, 74.175, 303.320



0, 1.762, 283.353

Previews

White Background



This preview shows how the CIELCh color 55, 13.230, 101.235 looks on a white background.

Color Contrast Check

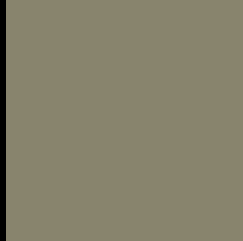
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 13.230, 101.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

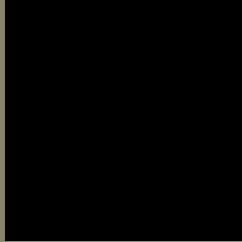
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

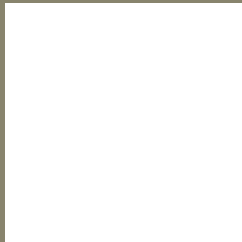
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 13.230, 101.235

Background



This preview shows how black text looks on a background with the CIELCh color 55, 13.230, 101.235.

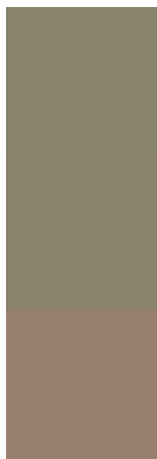


This preview shows how white text looks on a background with the CIELCh color 55, 13.230, 101.235.

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


55, 13.230, 101.235

Protanopia

55, 13.020, 93.546

Deuteranopia

55, 14.566, 61.701



Tritanopia
55, 7.462, 329.861

Trichromacy



Original Color
55, 13.230, 101.235

Protanomaly
55, 12.914, 95.372

Deuteranomaly
55, 13.105, 75.316

Tritanomaly
55, 3.793, 37.196

Monochromacy



Original Color
55, 13.230, 101.235

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 4.645, 99.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 13.230, 101.235 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(136, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(136, 132, 109)  
}
```

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(136, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 132, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 13.230, 101.235 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(136, 132, 109) }
```

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

```
.border{ border-color:rgb(136, 132, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 132, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(136, 132,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 13.230, 101.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 132, 109) }
```

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

```
.background{ background-color: rgb(136,  
132, 109) }
```

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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