

Converting Colors

CIELCh(55, 17.759, 114.863)

Have a look what the booklet for
CIELCh(55, 17.759, 114.863)
contains.

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Color

CIELCh(55, 17.736, 114.874)

Conversions

Conversions Part 1

Format	Color
Hex	828768
RGB	130, 135, 104
RGB Percent	51%, 53%, 41%
CMY	0.4917, 0.4721, 0.5936
CMYK	0.04, 0.00, 0.23, 0.47
HSL	70°, 13%, 47%
HSV	70°, 23%, 53%
XYZ	20.2388, 22.9298, 16.3588
YIQ	129.9710, 6.9710, -10.7010

Conversions

Conversions Part 2

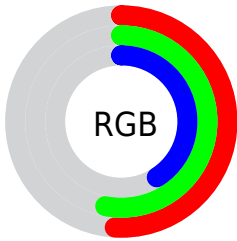
Format	Color
RYB	104, 135, 109
Decimal	8554344
CIELab	55.00, -7.46, 16.09
CIELCh	55, 17.736, 114.874
Yxy	22.9298, 0.3400, 0.3852
Android (android.graphics.Color)	4286744424 (0xFF828768)
YUV	129.9710, -12.8037, 0.0254
Hunter-Lab	47.8851, -8.3552, 13.2645

Details

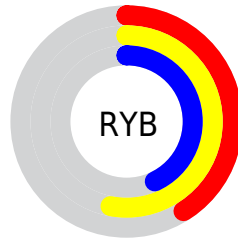
The CIELCh color $55, 17.736, 114.874$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 18.636, 298.382$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 17.782, 114.825$, and $35, 17.337, 115.024$ is the 20% darker color. If you saturate the color by 10%, you get $55, 25.297, 114.169$, and if you desaturate by 10%, it is $55, 10.062, 115.591$.

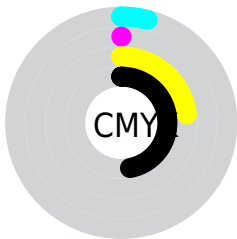
Distribution



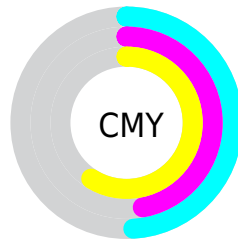
- Red (51%)
- Green (53%)
- Blue (41%)



- Red (41%)
- Yellow (53%)
- Blue (43%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)





- Cyan (49%)
- Magenta (47%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 17.736, 114.874 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, 17.736, 114.874 by changing the saturation by 10% instead.


 55, 17.736,
114.874


 55, 17.736,
114.874


 100, 17.736,
114.874


 45, 17.736,
114.874


 75, 17.736,
114.874

 35, 17.736,
114.874

 85, 17.736,
114.874

 25, 17.736,
114.874

 95, 17.736,
114.874

 15, 17.736,
114.874

 5, 17.736, 114.874

 0, 17.736, 114.874

■ 55, 17.736,
114.874

■ 55, 17.736,
114.874

■ 55, 25.297,
114.169

■ 55, 10.062,
115.591

■ 54, 32.653,
113.489

■ 56, 2.331, 116.294

■ 54, 39.674,
112.868

■ 57, 5.418, 296.978

■ 54, 46.168,
112.352

■ 57, 13.154,
297.633

■ 53, 51.863,
112.002

■ 58, 20.858,
298.256

■ 53, 56.430,
111.890

■ 59, 28.514,
298.845

■ 53, 59.561,
112.090

■ 59, 36.111,
299.399

■ 53, 61.304,

■ 60, 43.638,
299.918

112.313

■ 61, 51.090,
300.402

Harmonies

Complementary

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



55, 17.736, 114.874



45, 18.636, 298.382

Rectangle

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



55, 17.736, 114.874



55, 17.736, 164.874



55, 17.736, 294.874



55, 17.736, 344.874

Sweetspot

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



55, 17.737, 114.878



71, 6.737, 116.005



48, 11.668, 34.084



38, 4.412, 115.972



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, 17.737, 114.878



70, 26.773, 114.478



54, 19.608, 133.136



28, 4.308, 115.867



51, 59.784, 112.283



1, 1.036, 116.502

Inverse Universe

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



45, 18.636, 298.382



55, 28.513, 298.941



47, 20.005, 315.074



25, 4.394, 297.174



14, 80.115, 307.141



0, 1.036, 296.502

Previews

White Background



This preview shows how the CIE LCh color 55, 17.736, 114.874 looks on a white background.

Color Contrast Check

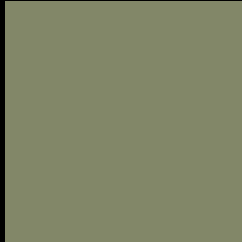
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.736, 114.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

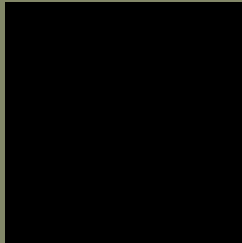
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

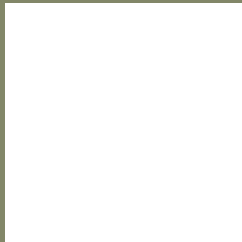
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 17.736, 114.874

Background



This preview shows how black text looks on a background with the CIELCh color 55, 17.736, 114.874.



This preview shows how white text looks on a background with the CIELCh color 55, 17.736, 114.874.

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, 17.736, 114.874

Protanopia

55, 16.999, 94.942

Deuteranopia

55, 16.932, 64.941



Tritanopia
55, 6.093, 309.359

Trichromacy



Original Color
55, 17.736, 114.874

Protanomaly
55, 16.611, 102.223

Deuteranomaly
55, 15.210, 83.379

Tritanomaly
55, 2.881, 101.824

Monochromacy



Original Color
55, 17.736, 114.874

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 6.921, 116.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 17.736, 114.874 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(130, 135, 104)` looks like.

```
.text, #text, p{  
    color:rgb(130, 135, 104)  
}
```

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(130, 135, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 135, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 17.736, 114.874 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(130, 135, 104) }
```

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

```
.border{ border-color:rgb(130, 135, 104) }
```

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

Here you see how a box with a 4 pixel rgb(130, 135, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 135, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 135, 104);  
box-shadow:4px 4px 4px 4px rgb(130, 135,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 17.736, 114.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 135, 104) }
```

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

```
.background{ background-color: rgb(130,  
135, 104) }
```

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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