

Converting Colors

CIELCh(55, 36.236, 126.205)

Have a look what the booklet for
CIELCh(55, 36.236, 126.205)
contains.

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Color

CIELCh(55, 36.199, 126.217)

Conversions

Conversions Part 1

Format	Color
Hex	708D50
RGB	112, 141, 80
RGB Percent	44%, 55%, 31%
CMY	0.5623, 0.4486, 0.6877
CMYK	0.21, 0.00, 0.43, 0.45
HSL	89°, 28%, 43%
HSV	89°, 43%, 55%
XYZ	17.5366, 22.9298, 11.0216
YIQ	125.3750, 2.2970, -25.1190

Conversions

Conversions Part 2

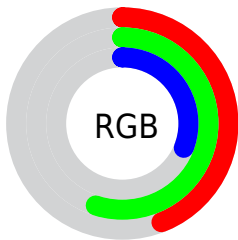
Format	Color
R_{YB}	80, 141, 109
Decimal	7376208
CIE _{Lab}	55.00, -21.39, 29.20
CIE _{LCh}	55, 36.199, 126.217
Yxy	22.9298, 0.3406, 0.4453
Android (android.graphics.Color)	4285566288 (0xFF708D50)
YUV	125.3750, -22.3699, -11.7299
Hunter-Lab	47.8851, -18.4282, 19.8730

Details

The CIELCh color $55, 36.199, 126.217$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $39, 38.619, 310.406$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 36.436, 126.127$, and $35, 36.560, 126.462$ is the 20% darker color. If you saturate the color by 10%, you get $54, 44.036, 125.814$, and if you desaturate by 10%, it is $56, 28.039, 126.679$.

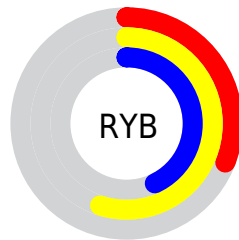
Distribution



Red (44%)

Green (55%)

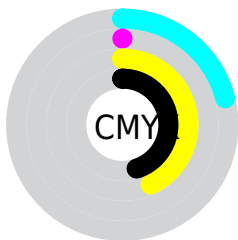
Blue (31%)



Red (31%)

Yellow (55%)

Blue (43%)

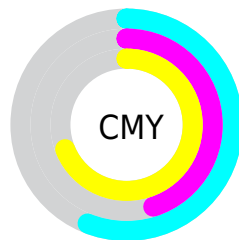


Cyan (21%)

Magenta (0%)

Yellow (43%)

Black (45%)



Cyan (56%)


Magenta (45%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 36.199, 126.217 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, 36.199, 126.217 by changing the saturation by 10% instead.


 55, 36.199,
126.217


 55, 36.199,
126.217


 100, 36.199,
126.217


 45, 36.199,
126.217


 75, 36.199,
126.217

 35, 36.199,
126.217

 85, 36.199,
126.217

 25, 36.199,
126.217

 95, 36.199,
126.217

 15, 36.199,
126.217

 5, 36.199, 126.217

 0, 36.199, 126.217

■ 55, 36.199,
126.217

■ 55, 36.199,
126.217

■ 54, 44.036,
125.814

■ 56, 28.039,
126.679

■ 54, 51.345,
125.526

■ 56, 19.696,
127.156

■ 53, 57.848,
125.443

■ 57, 11.268,
127.627

■ 53, 63.205,
125.677

■ 58, 2.826, 128.096

■ 52, 67.108,
126.337

■ 59, 5.582, 308.467

■ 52, 69.261,
126.847

■ 60, 13.920,
308.860

■ 61, 22.163,
309.213

■ 62, 30.293,
309.530

■ 63, 38.297,
309.816

Harmonies

Complementary

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



55, 36.199, 126.217



39, 38.619, 310.406

Rectangle

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



55, 36.199, 126.217



55, 36.199, 176.217



55, 36.199, 306.217



55, 36.199, 356.217

Sweetspot

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



55, 36.200, 126.218



73, 13.628, 127.631



48, 22.722, 66.751



38, 9.504, 127.539



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 36.200, 126.218



70, 53.365, 125.822



53, 41.857, 140.481



30, 4.818, 127.820



50, 67.257, 126.786



2, 3.258, 128.210

Inverse Universe

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



39, 38.619, 310.406



46, 57.898, 310.940



43, 41.861, 325.689



28, 4.884, 308.607



19, 78.042, 311.645



0, 3.259, 308.207

Previews

White Background



This preview shows how the CIELCh color 55, 36.199, 126.217 looks on a white background.

Color Contrast Check

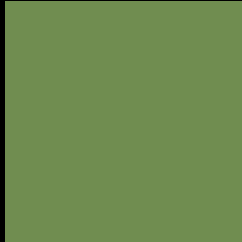
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 55, 36.199, 126.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

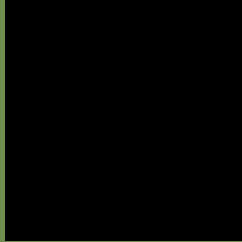
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 36.199, 126.217

Background



This preview shows how black text looks on a background with the CIELCh color 55, 36.199, 126.217.



This preview shows how white text looks on a background with the CIELCh color 55, 36.199, 126.217.

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](#).

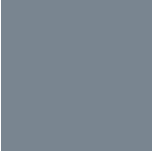
Dichromacy



Original Color
55, 36.199, 126.217

Protanopia
55, 31.546, 95.524

Deuteranopia
55, 28.607, 75.478



Tritanopia
55, 7.646, 255.153

Trichromacy



Original Color
55, 36.199, 126.217

Protanomaly
55, 31.915, 107.846

Deuteranomaly
55, 28.075, 97.522

Tritanomaly
55, 11.253, 148.576

Monochromacy



Original Color
55, 36.199, 126.217

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 13.443, 128.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 36.199, 126.217 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, 141, 80)` looks like.

```
.text, #text, p{  
    color:rgb(112, 141, 80)  
}
```

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, 141, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 141, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 36.199, 126.217 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, 141, 80) }
```

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

```
.border{ border-color:rgb(112, 141, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 141, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 141, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 141, 80);  
box-shadow:4px 4px 4px 4px rgb(112, 141,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 36.199, 126.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 141, 80) }
```

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

```
.background{ background-color: rgb(112,  
141, 80) }
```

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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