

Converting Colors

CIELCh(55, 37.614, 48.242)

Have a look what the booklet for
CIELCh(55, 37.614, 48.242) contains.

CIELCh(55, 37.728, 48.694)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 37.728, 48.694)

Conversions

Conversions Part 1

Format	Color
Hex	B97254
RGB	185, 114, 84
RGB Percent	73%, 45%, 33%
CMY	0.2752, 0.5535, 0.6712
CMYK	0.00, 0.38, 0.55, 0.28
HSL	18°, 42%, 53%
HSV	18°, 55%, 72%
XYZ	27.5593, 22.9298, 11.3308
YIQ	131.8090, 51.9460, 5.7220

Conversions

Conversions Part 2

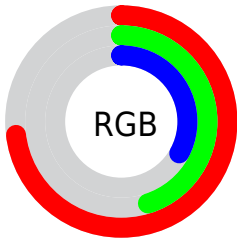
Format	Color
R _Y B	185, 127, 84
Decimal	12153428
CIE Lab	55.00, 24.90, 28.34
CIE LCh	55, 37.728, 48.694
Yxy	22.9298, 0.4458, 0.3709
Android (android.graphics.Color)	4290343508 (0xFFB97254)
YUV	131.8090, -23.5698, 46.6485
Hunter-Lab	47.8851, 18.9331, 19.4901

Details

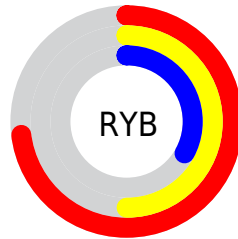
The CIELCh color **55, 37.728, 48.694** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **61, 26.223, 238.554**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 37.830, 48.274**, and **35, 37.631, 48.809** is the 20% darker color. If you saturate the color by 10%, you get **52, 46.226, 48.588**, and if you desaturate by 10%, it is **58, 29.679, 48.924**.

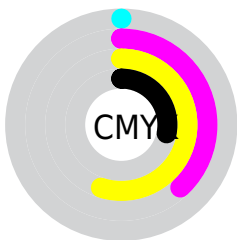
Distribution



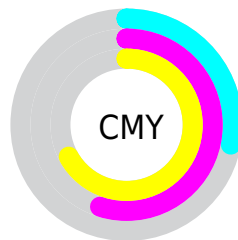
- Red (73%)
- Green (45%)
- Blue (33%)



- Red (73%)
- Yellow (50%)
- Blue (33%)



- Cyan (0%)
- Magenta (38%)
- Yellow (55%)
- Black (28%)



- Cyan (28%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 37.728, 48.694 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, 37.728, 48.694 by changing the saturation by 10% instead.

■ 55, 37.728, 48.694

■ 55, 37.728, 48.694

■ 100, 37.728,
48.694

■ 45, 37.728, 48.694

■ 75, 37.728, 48.694

■ 35, 37.728, 48.694

■ 85, 37.728, 48.694

■ 25, 37.728, 48.694

■ 95, 37.728, 48.694

■ 15, 37.728, 48.694

■ 5, 37.728, 48.694

■ 0, 37.728, 48.694

■ 55, 37.728, 48.694

■ 55, 37.728, 48.694

■ 52, 46.226, 48.588

■ 58, 29.679, 48.924

■ 49, 54.975, 48.537

■ 62, 22.152, 49.269

46, 63.502, 48.364

66, 15.156, 49.717

44, 70.821, 47.648

69, 8.665, 50.238

43, 74.356, 47.287

73, 2.640, 50.720

77, 2.964, 231.715

81, 8.194, 232.294

85, 13.094,
232.970

89, 17.704,
233.662

Harmonies

Complementary

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



55, 37.728, 48.694



61, 26.223, 238.554

Rectangle

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



55, 37.728, 48.694



55, 37.728, 98.694



55, 37.728, 228.694



55, 37.728, 278.694

Sweetspot

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



55, 37.727, 48.698



87, 11.779, 50.150



51, 53.596, 337.802



45, 8.009, 50.041



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 37.727, 48.698



65, 58.772, 48.574



67, 43.565, 92.789



37, 3.272, 50.520



36, 65.140, 47.732



4, 8.938, 41.484

Inverse Universe

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



61, 26.223, 238.554



74, 36.952, 241.947



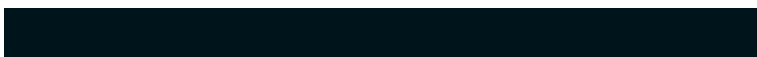
46, 46.903, 288.883



37, 3.113, 231.968



43, 33.495, 254.836



5, 8.669, 244.647

Previews

White Background



This preview shows how the CIELCh color 55, 37.728, 48.694 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, 37.728, 48.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

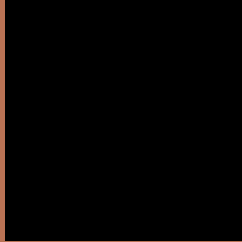
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 37.728, 48.694

Background



This preview shows how black text looks on a background with the CIELCh color 55, 37.728, 48.694.



This preview shows how white text looks on a background with the CIELCh color 55, 37.728, 48.694.

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, 37.728, 48.694

Protanopia

55, 23.776, 95.507

Deuteranopia

55, 30.295, 76.120



Tritanopia
55, 33.142, 15.862

Trichromacy



Original Color
55, 37.728, 48.694

Protanomaly
55, 26.169, 72.854

Deuteranomaly
55, 32.019, 65.040

Tritanomaly
55, 33.187, 29.027

Monochromacy



Original Color
55, 37.728, 48.694

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 12.761, 49.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 37.728, 48.694 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(185, 114, 84)` looks like.

```
.text, #text, p{  
    color:rgb(185, 114, 84)  
}
```

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(185, 114, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 114, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 37.728, 48.694 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(185, 114, 84) }
```

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

```
.border{ border-color:rgb(185, 114, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 114, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 114, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 114, 84);  
box-shadow:4px 4px 4px 4px rgb(185, 114,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 37.728, 48.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 114, 84) }
```

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

```
.background{ background-color: rgb(185,  
114, 84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor