

Converting Colors

CIELCh(55, 33.238, 48.001)

Have a look what the booklet for
CIELCh(55, 33.238, 48.001) contains.

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Color

CIELCh(55, 33.304, 47.997)

Conversions

Conversions Part 1

Format	Color
Hex	B4745A
RGB	180, 116, 90
RGB Percent	71%, 45%, 35%
CMY	0.2941, 0.5451, 0.6471
CMYK	0.00, 0.36, 0.50, 0.29
HSL	17°, 37%, 53%
HSV	17°, 50%, 71%
XYZ	26.9105, 22.9298, 12.6792
YIQ	132.1720, 46.4900, 5.4820

Conversions

Conversions Part 2

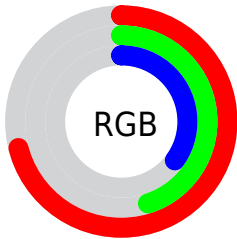
Format	Color
RYB	180, 127, 90
Decimal	11826266
CIELab	55.00, 22.29, 24.75
CIELCh	55, 33.304, 47.997
Yxy	22.9298, 0.4304, 0.3668
Android (android.graphics.Color)	4290016346 (0xFFB4745A)
YUV	132.1720, -20.7908, 41.9452
Hunter-Lab	47.8851, 16.5147, 17.8206

Details

The CIELCh color **55, 33.304, 47.997** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **60, 23.897, 236.260**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 33.398, 47.848**, and **35, 33.184, 47.773** is the 20% darker color. If you saturate the color by 10%, you get **52, 41.463, 47.903**, and if you desaturate by 10%, it is **58, 25.632, 48.230**.

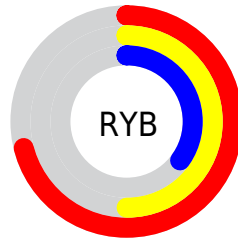
Distribution



Red (71%)

Green (45%)

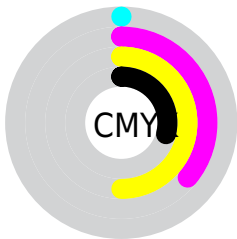
Blue (35%)



Red (71%)

Yellow (50%)

Blue (35%)

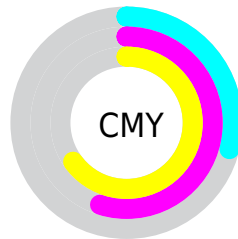


Cyan (0%)

Magenta (36%)

Yellow (50%)

Black (29%)



Cyan (29%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 33.304, 47.997 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, 33.304, 47.997 by changing the saturation by 10% instead.

■ 55, 33.304, 47.997

■ 55, 33.304, 47.997

■ 100, 33.304,
47.997

■ 45, 33.304, 47.997

■ 75, 33.304, 47.997

■ 35, 33.304, 47.997

■ 85, 33.304, 47.997

■ 25, 33.304, 47.997

■ 95, 33.304, 47.997

■ 15, 33.304, 47.997

■ 5, 33.304, 47.997

■ 0, 33.304, 47.997

■ 55, 33.304, 47.997

■ 55, 33.304, 47.997

■ 52, 41.463, 47.903

■ 58, 25.632, 48.230

■ 49, 49.988, 47.909

■ 62, 18.486, 48.577

46, 58.567, 47.911

66, 11.854, 49.020

44, 66.506, 47.620

69, 5.705, 49.513

41, 73.170, 46.968

73, 0.009, 298.001

77, 5.317, 230.914

81, 10.281,
231.531

85, 14.938,
232.188

89, 19.324,
232.856

Harmonies

Complementary

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



55, 33.304, 47.997



60, 23.897, 236.260

Rectangle

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



55, 33.304, 47.997



55, 33.304, 97.997



55, 33.304, 227.997



55, 33.304, 277.997

Sweetspot

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



55, 33.303, 48.002



86, 10.828, 49.252



51, 48.545, 337.371



45, 7.440, 49.149



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 33.303, 48.002



66, 51.612, 47.900



66, 39.147, 93.387



36, 3.201, 49.546



35, 64.592, 47.382



3, 7.671, 42.186

Inverse Universe

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



60, 23.897, 236.260



74, 33.866, 238.854



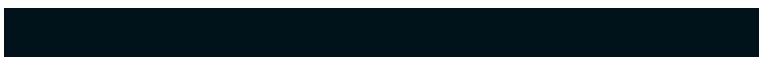
48, 41.690, 287.728



36, 3.044, 230.926



43, 32.678, 253.220



5, 7.561, 242.692

Previews

White Background



This preview shows how the CIELCh color 55, 33.304, 47.997 looks on a white background.

Color Contrast Check

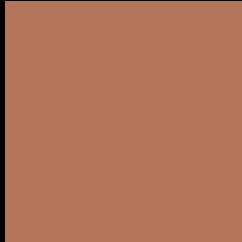
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.304, 47.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

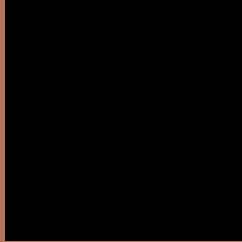
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.304, 47.997

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.304, 47.997.



This preview shows how white text looks on a background with the CIELCh color 55, 33.304, 47.997.

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, 33.304, 47.997

Protanopia

55, 20.386, 95.369

Deuteranopia

55, 26.339, 74.254



Tritanopia
55, 29.641, 14.389

Trichromacy



Original Color
55, 33.304, 47.997

Protanomaly
55, 22.889, 72.207

Deuteranomaly
55, 27.931, 62.402

Tritanomaly
55, 29.679, 27.160

Monochromacy



Original Color
55, 33.304, 47.997

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 10.983, 48.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.304, 47.997 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(180, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 116, 90)  
}
```

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(180, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 116, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.304, 47.997 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(180, 116, 90) }
```

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

```
.border{ border-color:rgb(180, 116, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 116, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 116,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.304, 47.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 116, 90) }
```

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

```
.background{ background-color: rgb(180,  
116, 90) }
```

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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