

Converting Colors

CIELCh(55, 36.588, 68.302)

Have a look what the booklet for
CIELCh(55, 36.588, 68.302) contains.

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Color

CIELCh(55, 36.726, 68.315)

Conversions

Conversions Part 1

Format	Color
Hex	AB7A49
RGB	171, 122, 73
RGB Percent	67%, 48%, 29%
CMY	0.3309, 0.5229, 0.7150
CMYK	0.00, 0.29, 0.57, 0.33
HSL	30°, 40%, 48%
HSV	30°, 57%, 67%
XYZ	24.8238, 22.9298, 9.3661
YIQ	131.0650, 44.9330, -4.8510

Conversions

Conversions Part 2

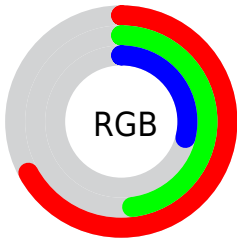
Format	Color
R_{YB}	171, 171, 73
Decimal	11237961
CIE Lab	55.00, 13.57, 34.13
CIE LCh	55, 36.726, 68.315
Yxy	22.9298, 0.4346, 0.4014
Android (android.graphics.Color)	4289428041 (0xFFAB7A49)
YUV	131.0650, -28.6260, 35.0230
Hunter-Lab	47.8851, 8.7361, 21.9227

Details

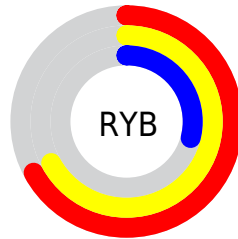
The CIELCh color **55, 36.726, 68.315** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **50, 31.154, 266.890**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 36.633, 67.699**, and **35, 36.657, 67.568** is the 20% darker color. If you saturate the color by 10%, you get **53, 43.843, 66.991**, and if you desaturate by 10%, it is **57, 29.704, 69.592**.

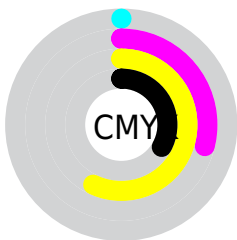
Distribution



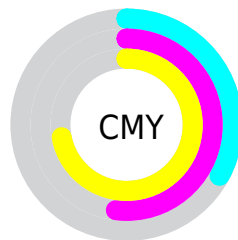
- Red (67%)
- Green (48%)
- Blue (29%)



- Red (67%)
- Yellow (67%)
- Blue (29%)



- Cyan (0%)
- Magenta (29%)
- Yellow (57%)
- Black (33%)



- Cyan (33%)
- Magenta (52%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 36.726, 68.315 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, 36.726, 68.315 by changing the saturation by 10% instead.

■ 55, 36.726, 68.315

■ 55, 36.726, 68.315

■ 100, 36.726,
68.315

■ 45, 36.726, 68.315

■ 75, 36.726, 68.315

■ 35, 36.726, 68.315

■ 85, 36.726, 68.315

■ 25, 36.726, 68.315

■ 95, 36.726, 68.315

■ 15, 36.726, 68.315

■ 5, 36.726, 68.315

■ 0, 36.726, 68.315

■ 55, 36.726, 68.315

■ 55, 36.726, 68.315

■ 53, 43.843, 66.991

■ 57, 29.704, 69.592

■ 50, 50.768, 65.522

■ 60, 22.910, 70.843

■ 48, 56.952, 63.727

■ 63, 16.396, 72.083

■ 46, 61.745, 61.389

■ 65, 10.172, 73.304

■ 46, 63.003, 60.844

■ 68, 4.226, 74.475

■ 71, 1.462, 255.968

■ 73, 6.915, 256.952

■ 76, 12.160,
258.056

■ 79, 17.219,
259.133

Harmonies

Complementary

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



55, 36.726, 68.315



50, 31.154, 266.890

Rectangle

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



55, 36.726, 68.315



55, 36.726, 118.315



55, 36.726, 248.315



55, 36.726, 298.315

Sweetspot

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



55, 36.726, 68.319



83, 12.301, 73.316



45, 46.201, 350.072



44, 8.331, 73.081



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



55, 36.726, 68.319



67, 55.760, 66.595



68, 51.080, 104.899



34, 3.210, 74.264



40, 56.590, 61.320



3, 5.524, 67.529

Inverse Universe

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



50, 31.154, 266.890



59, 45.874, 271.264



36, 60.237, 298.862



34, 3.143, 256.682



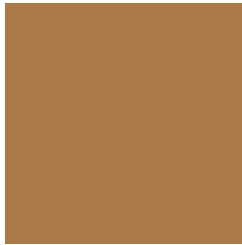
32, 47.301, 283.222



2, 6.103, 262.586

Previews

White Background



This preview shows how the CIELCh color 55, 36.726, 68.315 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, 36.726, 68.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

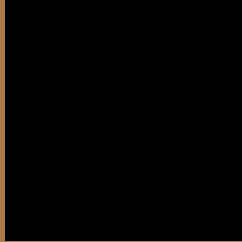
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 36.726, 68.315

Background



This preview shows how black text looks on a background with the CIELCh color 55, 36.726, 68.315.



This preview shows how white text looks on a background with the CIELCh color 55, 36.726, 68.315.

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, 36.726, 68.315

Protanopia

55, 32.040, 95.656

Deuteranopia

55, 34.971, 78.694



Tritanopia
55, 24.881, 11.984

Trichromacy



Original Color
55, 36.726, 68.315

Protanomaly
55, 32.457, 84.826

Deuteranomaly
55, 35.645, 74.140

Tritanomaly
55, 25.494, 38.568

Monochromacy



Original Color
55, 36.726, 68.315

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 12.640, 73.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 36.726, 68.315 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(171, 122, 73)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 73)  
}
```

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(171, 122, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 36.726, 68.315 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(171, 122, 73) }
```

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

```
.border{ border-color:rgb(171, 122, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 122, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 73);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 36.726, 68.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 73) }
```

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

```
.background{ background-color: rgb(171,  
122, 73) }
```

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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