

Converting Colors

CIELCh(55, 47.605, 74.654)

Have a look what the booklet for
CIELCh(55, 47.605, 74.654) contains.

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Color

CIELCh(55, 47.330, 74.776)

Conversions

Conversions Part 1

Format	Color
Hex	AC7A32
RGB	172, 122, 50
RGB Percent	67%, 48%, 20%
CMY	0.3254, 0.5214, 0.8038
CMYK	0.00, 0.29, 0.71, 0.33
HSL	35°, 55%, 44%
HSV	35°, 71%, 67%
XYZ	24.5587, 22.9298, 6.1520
YIQ	128.7420, 52.9120, -11.7920

Conversions

Conversions Part 2

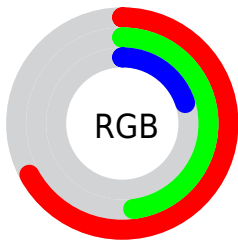
Format	Color
R_{YB}	135, 172, 50
Decimal	11303474
CIE _{Lab}	55.00, 12.43, 45.67
CIE _{LCh}	55, 47.330, 74.776
Yxy	22.9298, 0.4578, 0.4275
Android (android.graphics.Color)	4289493554 (0xFFAC7A32)
YUV	128.7420, -38.8198, 37.9373
Hunter-Lab	47.8851, 7.7478, 25.9023

Details

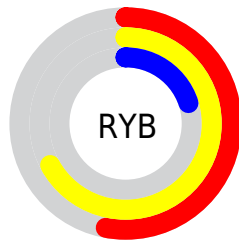
The CIELCh color **55, 47.330, 74.776** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **42, 44.176, 280.314**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 47.354, 74.445**, and **35, 45.828, 74.049** is the 20% darker color. If you saturate the color by 10%, you get **53, 53.509, 73.039**, and if you desaturate by 10%, it is **57, 40.547, 76.326**.

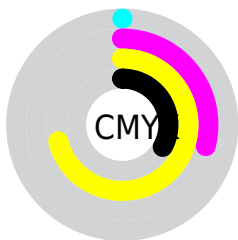
Distribution



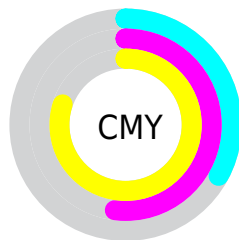
- Red (67%)
- Green (48%)
- Blue (20%)



- Red (53%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (29%)
- Yellow (71%)
- Black (33%)



- Cyan (33%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 47.330, 74.776 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, 47.330, 74.776 by changing the saturation by 10% instead.

■ 55, 47.330, 74.776

■ 55, 47.330, 74.776

■ 100, 47.330,
74.776

■ 45, 47.330, 74.776

■ 75, 47.330, 74.776

■ 35, 47.330, 74.776

■ 85, 47.330, 74.776

■ 25, 47.330, 74.776

■ 95, 47.330, 74.776

■ 15, 47.330, 74.776

■ 5, 47.330, 74.776

■ 0, 47.330, 74.776

■ 55, 47.330, 74.776

■ 55, 47.330, 74.776

■ 53, 53.509, 73.039

■ 57, 40.547, 76.326

■ 51, 58.426, 70.920

■ 59, 33.572, 77.774

50, 61.729, 68.684

61, 26.628, 79.167

63, 19.821, 80.522

66, 13.201, 81.840

68, 6.780, 83.111

70, 0.555, 83.923

72, 5.484, 265.657

75, 11.353,
266.793

Harmonies

Complementary

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



55, 47.330, 74.776



42, 44.176, 280.314

Rectangle

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



55, 47.330, 74.776



55, 47.330, 124.776



55, 47.330, 254.776



55, 47.330, 304.776

Sweetspot

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



55, 47.329, 74.779



83, 16.462, 81.781



41, 53.300, 358.793



43, 11.175, 81.434



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, 47.329, 74.779



67, 68.864, 71.914



68, 61.185, 108.163



36, 3.528, 83.308



44, 55.891, 69.086



4, 6.813, 74.802

Inverse Universe

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



42, 44.176, 280.314



49, 66.340, 286.211



30, 75.902, 303.093



35, 3.497, 265.783



28, 56.939, 291.028



2, 7.959, 271.053

Previews

White Background



This preview shows how the CIELCh color 55, 47.330, 74.776 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, 47.330, 74.776 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, 47.330, 74.776

Background



This preview shows how black text looks on a background with the CIELCh color 55, 47.330, 74.776.



This preview shows how white text looks on a background with the CIELCh color 55, 47.330, 74.776.

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, 47.330, 74.776

Protanopia

55, 43.731, 95.593

Deuteranopia

55, 46.470, 80.654



Tritanopia
55, 26.643, 11.725

Trichromacy



Original Color
55, 47.330, 74.776

Protanomaly
55, 44.065, 87.433

Deuteranomaly
55, 46.998, 78.389

Tritanomaly
55, 29.099, 45.814

Monochromacy



Original Color
55, 47.330, 74.776

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 17.146, 79.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 47.330, 74.776 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(172, 122, 50)` looks like.

```
.text, #text, p{  
    color:rgb(172, 122, 50)  
}
```

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(172, 122, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 122, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 47.330, 74.776 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(172, 122, 50) }
```

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

```
.border{ border-color:rgb(172, 122, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 122, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 122, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 122, 50);  
box-shadow:4px 4px 4px 4px rgb(172, 122,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 47.330, 74.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 122, 50) }
```

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

```
.background{ background-color: rgb(172,  
122, 50) }
```

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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