

Converting Colors

CIELCh(55, 42.393, 76.469)

Have a look what the booklet for
CIELCh(55, 42.393, 76.469) contains.

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Color

CIELCh(55, 42.285, 76.839)

Conversions

Conversions Part 1

Format	Color
Hex	A77C3B
RGB	167, 124, 59
RGB Percent	65%, 49%, 23%
CMY	0.3453, 0.5139, 0.7688
CMYK	0.00, 0.26, 0.65, 0.35
HSL	36°, 48%, 44%
HSV	36°, 65%, 65%
XYZ	23.9164, 22.9298, 7.2974
YIQ	129.4470, 46.4930, -11.0990

Conversions

Conversions Part 2

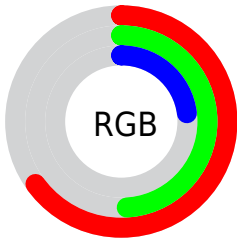
Format	Color
R_{YB}	130, 167, 59
Decimal	10976315
CIE Lab	55.00, 9.63, 41.17
CIE LCh	55, 42.285, 76.839
Yxy	22.9298, 0.4417, 0.4235
Android (android.graphics.Color)	4289166395 (0xFFA77C3B)
YUV	129.4470, -34.7304, 32.9340
Hunter-Lab	47.8851, 5.3537, 24.4841

Details

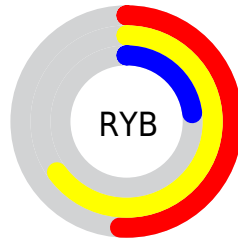
The CIELCh color $55, 42.285, 76.839$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $43, 39.920, 279.152$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.100, 76.389$, and $35, 42.218, 76.804$ is the 20% darker color. If you saturate the color by 10%, you get $53, 48.703, 75.240$, and if you desaturate by 10%, it is $57, 35.532, 78.322$.

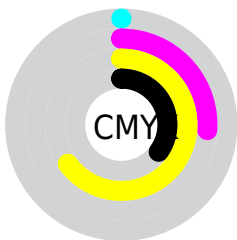
Distribution



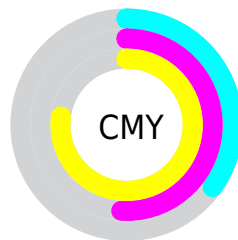
- Red (65%)
- Green (49%)
- Blue (23%)



- Red (51%)
- Yellow (65%)
- Blue (23%)



- Cyan (0%)
- Magenta (26%)
- Yellow (65%)
- Black (35%)



- Cyan (35%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 42.285, 76.839 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, 42.285, 76.839 by changing the saturation by 10% instead.

■ 55, 42.285, 76.839

■ 55, 42.285, 76.839

■ 100, 42.285,
76.839

■ 45, 42.285, 76.839

■ 75, 42.285, 76.839

■ 35, 42.285, 76.839

■ 85, 42.285, 76.839

■ 25, 42.285, 76.839

■ 95, 42.285, 76.839

■ 15, 42.285, 76.839

■ 5, 42.285, 76.839

■ 0, 42.285, 76.839

■ 55, 42.285, 76.839

■ 55, 42.285, 76.839

■ 53, 48.703, 75.240

■ 57, 35.532, 78.322

■ 51, 54.298, 73.395

■ 59, 28.722, 79.735

■ 50, 58.376, 71.102

■ 61, 21.999, 81.105

■ 49, 60.258, 69.846

■ 63, 15.430, 82.437

■ 65, 9.041, 83.727

■ 67, 2.837, 84.928

■ 70, 3.190, 266.316

■ 72, 9.052, 267.439

■ 74, 14.763,
268.553

Harmonies

Complementary

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



55, 42.285, 76.839



43, 39.920, 279.152

Rectangle

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



55, 42.285, 76.839



55, 42.285, 126.839



55, 42.285, 256.839



55, 42.285, 306.839

Sweetspot

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



55, 42.285, 76.843



81, 14.571, 83.132



42, 48.251, 358.412



43, 10.151, 82.774



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



55, 42.285, 76.843



67, 62.545, 74.407



66, 55.709, 109.286



35, 3.478, 84.396



43, 55.100, 70.209



4, 5.870, 77.997

Inverse Universe

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



43, 39.920, 279.152



49, 60.058, 284.330



32, 67.174, 302.310



34, 3.453, 266.854



27, 57.339, 291.813



2, 6.647, 270.379

Previews

White Background



This preview shows how the CIELCh color 55, 42.285, 76.839 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, 42.285, 76.839 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, 42.285, 76.839

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.285, 76.839.



This preview shows how white text looks on a background with the CIELCh color 55, 42.285, 76.839.

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, 42.285, 76.839

Protanopia

55, 39.811, 95.920

Deuteranopia

55, 41.689, 80.727



Tritanopia
55, 23.232, 9.574

Trichromacy



Original Color
55, 42.285, 76.839

Protanomaly
55, 40.256, 88.474

Deuteranomaly
55, 41.723, 79.326

Tritanomaly
55, 24.677, 45.756

Monochromacy



Original Color
55, 42.285, 76.839

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 14.935, 81.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.285, 76.839 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(167, 124, 59)` looks like.

```
.text, #text, p{  
    color:rgb(167, 124, 59)  
}
```

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(167, 124, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 124, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.285, 76.839 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(167, 124, 59) }
```

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

```
.border{ border-color:rgb(167, 124, 59) }
```

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

Here you see how a box with a 4 pixel rgb(167, 124, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 124, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 124, 59);  
box-shadow:4px 4px 4px 4px rgb(167, 124,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.285, 76.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 124, 59) }
```

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

```
.background{ background-color: rgb(167,  
124, 59) }
```

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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