

Converting Colors

CIELCh(49, 44.499, 66.053)

Have a look what the booklet for
CIELCh(49, 44.499, 66.053) contains.

CIELCh(49, 44.499, 66.053)	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(49, 44.499, 66.053)

Conversions

Conversions Part 1

Format	Color
Hex	A1672E
RGB	161, 103, 46
RGB Percent	63%, 40%, 18%
CMY	0.3670, 0.5946, 0.8182
CMYK	0.00, 0.36, 0.71, 0.37
HSL	30°, 55%, 41%
HSV	30°, 71%, 63%
XYZ	20.1698, 17.5941, 4.9542
YIQ	113.8440, 52.8650, -5.4310

Conversions

Conversions Part 2

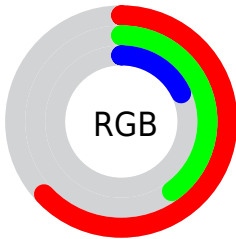
Format	Color
RYB	161, 159, 46
Decimal	10577710
CIELab	49.00, 18.06, 40.67
CIELCh	49, 44.499, 66.053
Yxy	17.5941, 0.4722, 0.4119
Android (android.graphics.Color)	4288767790 (0xFFA1672E)
YUV	113.8440, -33.4471, 41.3558
Hunter-Lab	41.9453, 12.4291, 22.3589

Details

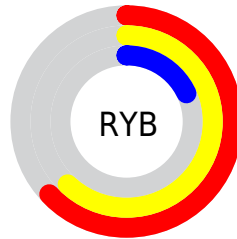
The CIELCh color $49, 44.499, 66.053$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $43, 36.302, 271.027$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 44.218, 65.916$, and $29, 43.276, 65.341$ is the 20% darker color. If you saturate the color by 10%, you get $47, 50.974, 64.523$, and if you desaturate by 10%, it is $51, 37.699, 67.399$.

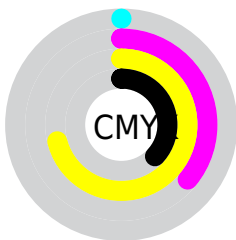
Distribution



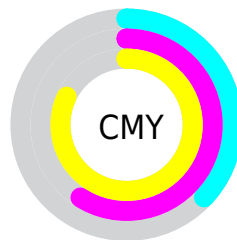
- Red (63%)
- Green (40%)
- Blue (18%)



- Red (63%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (37%)



- Cyan (37%)
- Magenta (59%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 44.499, 66.053 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 49, 44.499, 66.053 by changing the saturation by 10% instead.

■ 49, 44.499, 66.053

■ 49, 44.499, 66.053

■ 100, 44.499,
66.053

■ 39, 44.499, 66.053

■ 69, 44.499, 66.053

■ 29, 44.499, 66.053

■ 79, 44.499, 66.053

■ 19, 44.499, 66.053

■ 89, 44.499, 66.053

■ 9, 44.499, 66.053

■ 99, 44.499, 66.053

■ 0, 44.499, 66.053

■ 49, 44.499, 66.053

■ 49, 44.499, 66.053

■ 47, 50.974, 64.523

■ 51, 37.699, 67.399

■ 45, 56.499, 62.569

■ 54, 30.922, 68.666

43, 60.539, 60.640

56, 24.337, 69.906

58, 18.012, 71.135

61, 11.967, 72.350

63, 6.197, 73.537

66, 0.684, 74.316

69, 4.594, 256.013

71, 9.661, 257.107

Harmonies

Complementary

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



49, 44.499, 66.053



43, 36.302, 271.027

Rectangle

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



49, 44.499, 66.053



49, 44.499, 116.053



49, 44.499, 246.053



49, 44.499, 296.053

Sweetspot

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



49, 44.498, 66.056



77, 14.580, 72.338



39, 52.713, 351.537



40, 9.908, 72.027



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 44.498, 66.056



59, 66.207, 63.360



64, 57.472, 103.092



33, 3.119, 73.767



39, 55.961, 61.002



3, 4.636, 69.677

Inverse Universe

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



43, 36.302, 271.027



50, 53.519, 277.702



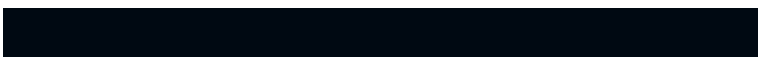
28, 71.564, 301.320



33, 3.053, 256.166



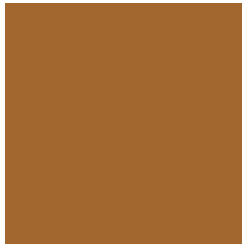
31, 46.206, 282.679



2, 4.957, 259.933

Previews

White Background



This preview shows how the CIELCh color 49, 44.499, 66.053 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 44.499, 66.053 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 49, 44.499, 66.053

Background



This preview shows how black text looks on a background with the CIELCh color 49, 44.499, 66.053.



This preview shows how white text looks on a background with the CIELCh color 49, 44.499, 66.053.

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

49, 44.499, 66.053

Protanopia

49, 38.182, 95.757

Deuteranopia

49, 41.865, 80.979



Tritanopia
49, 29.509, 15.676

Trichromacy



Original Color
49, 44.499, 66.053

Protanomaly
49, 38.699, 84.047

Deuteranomaly
49, 42.456, 74.849

Tritanomaly
49, 31.786, 39.562

Monochromacy



Original Color
49, 44.499, 66.053

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 15.601, 71.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 44.499, 66.053 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(161, 103, 46)` looks like.

```
.text, #text, p{  
    color:rgb(161, 103, 46)  
}
```

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(161, 103, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 103, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 44.499, 66.053 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(161, 103, 46) }
```

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

```
.border{ border-color:rgb(161, 103, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 103, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 103, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 103, 46);  
box-shadow:4px 4px 4px 4px rgb(161, 103,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 44.499, 66.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 103, 46) }
```

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

```
.background{ background-color: rgb(161,  
103, 46) }
```

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