

Converting Colors

CIELCh(45, 36.878, 67.336)

Have a look what the booklet for
CIELCh(45, 36.878, 67.336) contains.

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Color

CIELCh(45, 36.878, 67.333)

Conversions

Conversions Part 1	
Format	Color
Hex	8F6031
RGB	143, 96, 49
RGB Percent	56%, 38%, 19%
CMY	0.4375, 0.6220, 0.8064
CMYK	0.00, 0.33, 0.66, 0.44
HSL	30°, 49%, 38%
HSV	30°, 66%, 56%
XYZ	16.1860, 14.5417, 4.9008
YIQ	104.6950, 43.0990, -4.6530

Conversions

Conversions Part 2

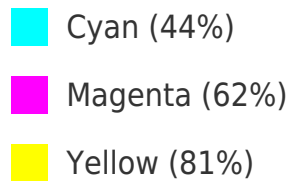
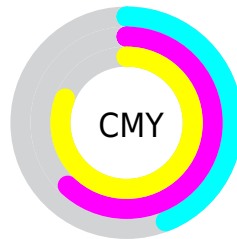
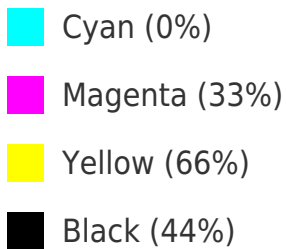
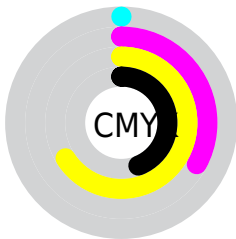
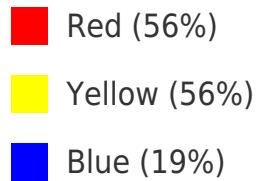
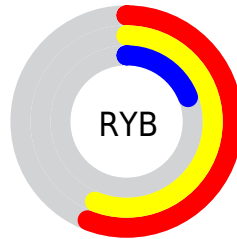
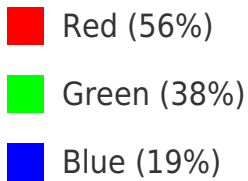
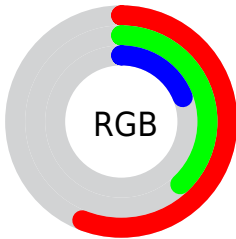
Format	Color
RYB	143, 143, 49
Decimal	9396273
CIELab	45.00, 14.21, 34.03
CIELCh	45, 36.878, 67.333
Yxy	14.5417, 0.4543, 0.4081
Android (android.graphics.Color)	4287586353 (0xFF8F6031)
YUV	104.6950, -27.4576, 33.5935
Hunter-Lab	38.1336, 9.0315, 19.0738

Details

The CIELCh color **45, 36.878, 67.333** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **40, 30.687, 269.229**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 36.968, 67.539**, and **25, 36.829, 67.601** is the 20% darker color. If you saturate the color by 10%, you get **43, 42.973, 65.942**, and if you desaturate by 10%, it is **47, 30.704, 68.625**.













Distribution









Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 36.878, 67.333 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 45, 36.878, 67.333 by changing the saturation by 10% instead.

 45, 36.878, 67.333	 45, 36.878, 67.333
 100, 36.878, 67.333	 35, 36.878, 67.333
 65, 36.878, 67.333	 25, 36.878, 67.333
 75, 36.878, 67.333	 15, 36.878, 67.333
 85, 36.878, 67.333	 5, 36.878, 67.333
 95, 36.878, 67.333	 0, 36.878, 67.333

 45, 36.878, 67.333	 45, 36.878, 67.333
 43, 42.973, 65.942	 47, 30.704, 68.625
 41, 48.600, 64.296	 49, 24.652, 69.871

 39, 53.209, 62.191

 51, 18.812, 71.101

 39, 55.320, 61.406


 54, 13.215, 72.319

 56, 7.866, 73.517

 58, 2.752, 74.643

 61, 2.144, 256.052

 63, 6.844, 257.098

 65, 11.369,
258.184

Harmonies

Complementary

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



45, 36.878, 67.333



40, 30.687, 269.229

Rectangle

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



45, 36.878, 67.333



45, 36.878, 117.333



45, 36.878, 247.333



45, 36.878, 297.333

Sweetspot

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



45, 36.877, 67.337



70, 12.629, 72.941



36, 45.197, 350.275



36, 8.734, 72.639



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 36.877, 67.337



54, 55.635, 65.153



57, 49.037, 103.542



29, 2.798, 74.258



36, 52.921, 61.629



1, 1.860, 75.397

Inverse Universe

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



40, 30.687, 269.229



47, 45.238, 274.873



27, 59.361, 299.899



29, 2.742, 256.618



29, 43.916, 282.786



1, 1.860, 255.410

Previews

White Background



This preview shows how the CIELCh color 45, 36.878, 67.333 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 45, 36.878, 67.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

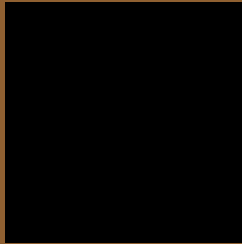
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.878, 67.333

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.878, 67.333.



This preview shows how white text looks on a background with the CIELCh color 45, 36.878, 67.333.

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

45, 36.878, 67.333

Protanopia

45, 31.682, 96.124

Deuteranopia

45, 34.974, 80.808



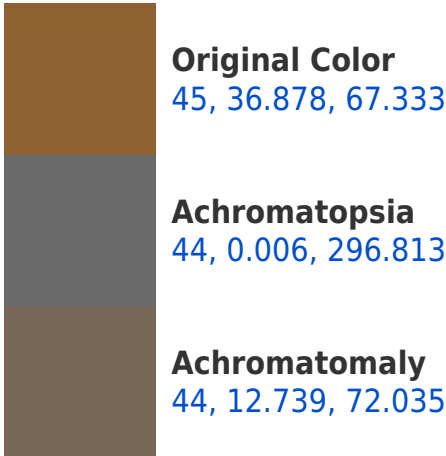
Tritanopia

45, 24.603, 13.404

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.878, 67.333 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(143, 96, 49)` looks like.

```
.text, #text, p{  
    color:rgb(143, 96, 49)  
}
```

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(143, 96, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 96, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.878, 67.333 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(143, 96, 49) }
```

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

```
.border{ border-color:rgb(143, 96, 49) }
```

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

Here you see how a box with a 4 pixel rgb(143, 96, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 96, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 96, 49);  
box-shadow:4px 4px 4px 4px rgb(143, 96,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.878, 67.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 96, 49) }
```

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

```
.background{ background-color: rgb(143, 96,  
49) }
```

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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