

Converting Colors

CIELCh(48, 65.017, 80.457)

Have a look what the booklet for
CIELCh(48, 65.017, 80.457) contains.

CIELCh(48, 56.263, 78.352)	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>	25

Color

CIELCh(48, 56.263, 78.352)

Conversions

Conversions Part 1

Format	Color
Hex	986900
RGB	152, 105, 0
RGB Percent	60%, 41%, 0%
CMY	0.4037, 0.5880, 0.9997
CMYK	0.00, 0.31, 1.00, 0.40
HSL	41°, 100%, 30%
HSV	41°, 100%, 60%
XYZ	18.0169, 16.7945, 2.2943
YIQ	107.0830, 61.7170, -22.6910

Conversions

Conversions Part 2

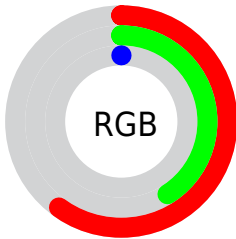
Format	Color
RYB	68, 152, 0
Decimal	9988352
CIELab	48.00, 11.36, 55.10
CIELCh	48, 56.263, 78.352
Yxy	16.7945, 0.4856, 0.4526
Android (android.graphics.Color)	4288178432 (0xFF986900)
YUV	107.0830, -52.7919, 39.3922
Hunter-Lab	40.9810, 6.7587, 25.3675

Details

The CIELCh color **48, 56.263, 78.352** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **25, 67.907, 297.332**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.376, 78.296**, and **28, 40.072, 71.901** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.278, 78.344**, and if you desaturate by 10%, it is **49, 53.416, 80.375**.

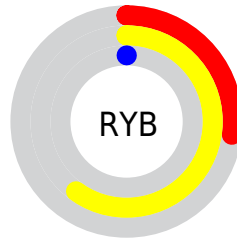
Distribution



Red (60%)

Green (41%)

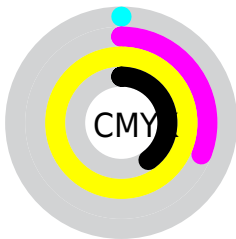
Blue (0%)



Red (27%)

Yellow (60%)

Blue (0%)

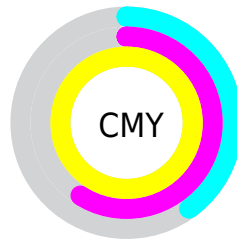


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 56.263, 78.352 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 48, 56.263, 78.352 by changing the saturation by 10% instead.

 48, 56.263, 78.352

 48, 56.263, 78.352

 100, 56.263,
78.352

 38, 56.263, 78.352

 68, 56.263, 78.352

 28, 56.263, 78.352

 78, 56.263, 78.352

 18, 56.263, 78.352

 88, 56.263, 78.352

 8, 56.263, 78.352

 98, 56.263, 78.352

 0, 56.263, 78.352

 48, 56.263, 78.352

 48, 56.263, 78.352

 48, 56.278, 78.344

 49, 53.416, 80.375

 51, 49.355, 82.186

■ 52, 44.052, 83.772

■ 53, 38.045, 85.235

■ 55, 31.704, 86.629

■ 56, 25.248, 87.978

■ 58, 18.797, 89.288

■ 60, 12.415, 90.560

■ 61, 6.132, 91.782

Harmonies

Complementary

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



48, 56.263, 78.352



25, 67.907, 297.332

Rectangle

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



48, 56.263, 78.352



48, 56.263, 128.352



48, 56.263, 258.352



48, 56.263, 308.352

Sweetspot

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



48, 56.262, 78.355



74, 23.450, 89.203



32, 58.892, 18.620



38, 16.003, 88.701



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 56.262, 78.355



62, 68.595, 77.763



59, 67.303, 113.627



32, 3.500, 91.867



44, 53.071, 78.546



2, 3.719, 92.105

Inverse Universe

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



25, 67.907, 297.332



33, 84.642, 298.063



18, 89.627, 307.217



30, 3.508, 274.188



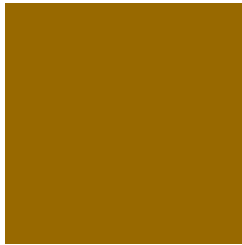
23, 63.578, 297.091



1, 3.786, 273.394

Previews

White Background



This preview shows how the CIE LCh color 48, 56.263, 78.352 looks on a white background.

Color Contrast Check

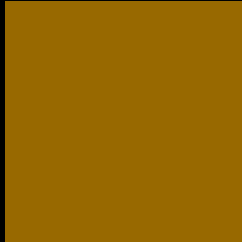
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 56.263, 78.352 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 48, 56.263, 78.352

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.263, 78.352.



This preview shows how white text looks on a background with the CIELCh color 48, 56.263, 78.352.

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

48, 56.263, 78.352

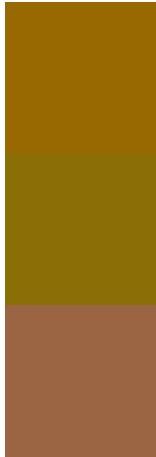
Protanopia

48, 52.213, 95.590

Tritanopia

48, 25.592, 13.840

Trichromacy



Original Color
48, 56.263, 78.352

Protanomaly
48, 52.920, 88.998

Tritanomaly
48, 33.353, 57.224

Monochromacy



Original Color
48, 56.263, 78.352

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 23.811, 87.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.263, 78.352 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(152, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 105, 0)  
}
```

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(152, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 105, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.263, 78.352 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(152, 105, 0) }
```

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

```
.border{ border-color:rgb(152, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(152, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 105,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.263, 78.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 105, 0) }
```

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

```
.background{ background-color: rgb(152,  
105, 0) }
```

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