

Converting Colors

CIELCh(48, 56.437, 77.065)

Have a look what the booklet for
CIELCh(48, 56.437, 77.065) contains.

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Color

CIELCh(48, 56.478, 76.817)

Conversions

Conversions Part 1

Format	Color
Hex	9A6801
RGB	154, 104, 1
RGB Percent	60%, 41%, 0%
CMY	0.3958, 0.5919, 0.9956
CMYK	0.00, 0.32, 0.99, 0.40
HSL	40°, 99%, 30%
HSV	40°, 99%, 60%
XYZ	18.3046, 16.7945, 2.3086
YIQ	107.2080, 62.8630, -21.4330

Conversions

Conversions Part 2

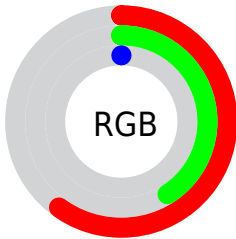
Format	Color
R_YB	75, 154, 1
Decimal	10119169
CIE _{Lab}	48.00, 12.88, 54.99
CIE _{LCh}	48, 56.478, 76.817
Yxy	16.7945, 0.4893, 0.4490
Android (android.graphics.Color)	4288309249 (0xFF9A6801)
YUV	107.2080, -52.3605, 41.0366
Hunter-Lab	40.9810, 8.0121, 25.3467

Details

The CIELCh color **48, 56.478, 76.817** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **26, 66.319, 296.216**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.309, 76.770**, and **28, 40.394, 70.376** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.705, 76.677**, and if you desaturate by 10%, it is **49, 53.497, 78.932**.

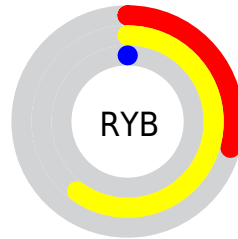
Distribution



Red (60%)

Green (41%)

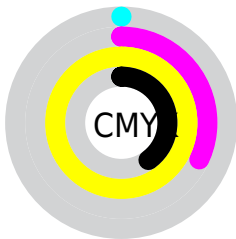
Blue (0%)



Red (29%)

Yellow (60%)

Blue (0%)

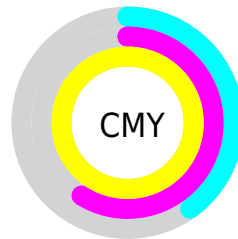


Cyan (0%)

Magenta (32%)

Yellow (99%)

Black (40%)



Cyan (40%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 56.478, 76.817 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, 56.478, 76.817 by changing the saturation by 10% instead.

48, 56.478, 76.817

48, 56.478, 76.817

100, 56.478,
76.817

38, 56.478, 76.817

68, 56.478, 76.817

28, 56.478, 76.817

78, 56.478, 76.817

18, 56.478, 76.817

88, 56.478, 76.817

8, 56.478, 76.817

98, 56.478, 76.817

0, 56.478, 76.817

48, 56.478, 76.817

48, 56.478, 76.817

48, 56.705, 76.677

49, 53.497, 78.932

51, 49.209, 80.784

■ 52, 43.736, 82.396

■ 54, 37.620, 83.878

■ 55, 31.216, 85.287

■ 57, 24.734, 86.649

■ 59, 18.284, 87.971

■ 60, 11.924, 89.253

■ 62, 5.679, 90.483

Harmonies

Complementary

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



48, 56.478, 76.817



26, 66.319, 296.216

Rectangle

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



48, 56.478, 76.817



48, 56.478, 126.817



48, 56.478, 256.817



48, 56.478, 306.817

Sweetspot

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



48, 56.477, 76.820



75, 23.335, 87.799



32, 58.898, 16.840



39, 16.101, 87.282



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 56.477, 76.820



62, 69.127, 76.069



60, 67.561, 112.685



32, 3.438, 90.490



44, 52.955, 76.925



2, 3.652, 90.731

Inverse Universe

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



26, 66.319, 296.216



34, 83.249, 297.170



18, 90.311, 307.030



30, 3.441, 272.837



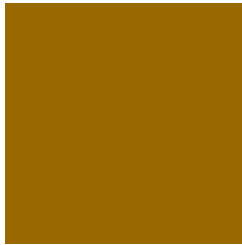
23, 61.864, 296.130



1, 3.717, 272.068

Previews

White Background



This preview shows how the CIELCh color 48, 56.478, 76.817 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, 56.478, 76.817 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, 56.478, 76.817

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.478, 76.817.



This preview shows how white text looks on a background with the CIELCh color 48, 56.478, 76.817.

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, 56.478, 76.817

Protanopia

48, 52.213, 95.590

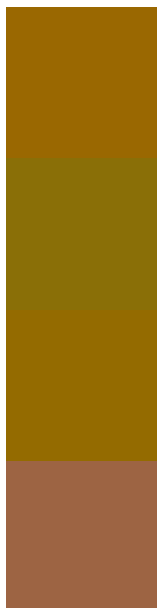
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 26.927, 14.517

Trichromacy



Original Color
48, 56.478, 76.817

Protanomaly
48, 52.850, 88.458

Deuteranomaly
48, 55.532, 81.369

Tritanomaly
48, 34.207, 55.259

Monochromacy



Original Color
48, 56.478, 76.817

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 23.985, 86.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.478, 76.817 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(154, 104, 1)` looks like.

```
.text, #text, p{  
    color:rgb(154, 104, 1)  
}
```

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(154, 104, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 104, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.478, 76.817 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(154, 104, 1) }
```

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

```
.border{ border-color:rgb(154, 104, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 104, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 104, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 104, 1);  
box-shadow:4px 4px 4px 4px rgb(154, 104,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.478, 76.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 104, 1) }
```

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

```
.background{ background-color: rgb(154,  
104, 1) }
```

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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