

Converting Colors

CIELCh(40, 56.336, 61.330)

Have a look what the booklet for
CIELCh(40, 56.336, 61.330) contains.

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Color

CIELCh(40, 56.354, 61.136)

Conversions

Conversions Part 1

Format	Color
Hex	944A01
RGB	148, 74, 1
RGB Percent	58%, 29%, 0%
CMY	0.4185, 0.7089, 0.9951
CMYK	0.00, 0.50, 0.99, 0.42
HSL	30°, 98%, 29%
HSV	30°, 99%, 58%
XYZ	14.7321, 11.2510, 1.4311
YIQ	87.8040, 67.5370, -7.0150

Conversions

Conversions Part 2

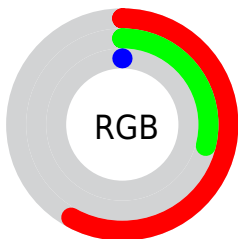
Format	Color
R _Y B	148, 146, 1
Decimal	9718273
CIE Lab	40.00, 27.20, 49.35
CIE LCh	40, 56.354, 61.136
Yxy	11.2510, 0.5374, 0.4104
Android (android.graphics.Color)	4287908353 (0xFF944A01)
YUV	87.8040, -42.7944, 52.7919
Hunter-Lab	33.5425, 19.6992, 20.9502

Details

The CIELCh color **40, 56.354, 61.136** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **32, 46.637, 282.516**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 56.444, 61.227**, and **20, 40.518, 46.875** is the 20% darker color. If you saturate the color by 10%, you get **40, 56.780, 61.001**, and if you desaturate by 10%, it is **42, 51.777, 63.244**.

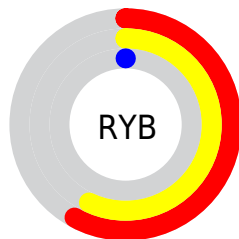
Distribution



Red (58%)

Green (29%)

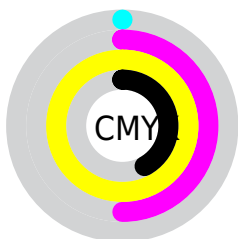
Blue (0%)



Red (58%)

Yellow (57%)

Blue (0%)

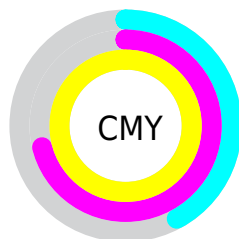


Cyan (0%)

Magenta (50%)

Yellow (99%)

Black (42%)



Cyan (42%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 56.354, 61.136 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 40, 56.354, 61.136 by changing the saturation by 10% instead.

40, 56.354, 61.136

40, 56.354, 61.136

100, 56.354,
61.136

30, 56.354, 61.136

60, 56.354, 61.136

20, 56.354, 61.136

70, 56.354, 61.136

10, 56.354, 61.136

80, 56.354, 61.136

0, 56.354, 61.136

90, 56.354, 61.136

40, 56.354, 61.136

40, 56.354, 61.136

40, 56.780, 61.001

42, 51.777, 63.244

44, 46.314, 65.042

■ 46, 40.152, 66.501

■ 48, 33.795, 67.810

■ 50, 27.509, 69.062

■ 52, 21.420, 70.292

■ 54, 15.580, 71.511

■ 57, 9.999, 72.715

■ 59, 4.669, 73.881

Harmonies

Complementary

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



40, 56.354, 61.136



32, 46.637, 282.516

Rectangle

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



40, 56.354, 61.136



40, 56.354, 111.136



40, 56.354, 241.136



40, 56.354, 291.136

Sweetspot

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



40, 56.352, 61.138



69, 20.012, 71.333



32, 56.715, 359.368



35, 13.736, 70.870



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 56.352, 61.138



52, 69.492, 60.158



59, 63.709, 101.844



30, 2.875, 73.876



37, 53.732, 61.273



2, 2.473, 75.018

Inverse Universe

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



32, 46.637, 282.516



42, 58.512, 283.872



17, 88.003, 305.929



30, 2.815, 256.243



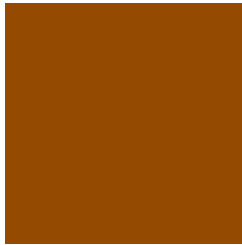
30, 44.286, 282.522



1, 2.474, 255.031

Previews

White Background



This preview shows how the CIELCh color 40, 56.354, 61.136 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 40, 56.354, 61.136 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 40, 56.354, 61.136

Background



This preview shows how black text looks on a background with the CIELCh color 40, 56.354, 61.136.



This preview shows how white text looks on a background with the CIELCh color 40, 56.354, 61.136.

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

40, 56.354, 61.136

Protanopia

40, 43.967, 95.461

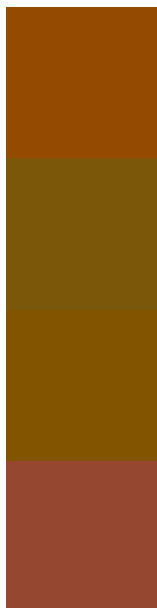
Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 37.441, 21.396

Trichromacy



Original Color
40, 56.354, 61.136

Protanomaly
40, 45.745, 80.181

Deuteranomaly
40, 50.047, 74.671

Tritanomaly
40, 42.770, 42.902

Monochromacy



Original Color
40, 56.354, 61.136

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 21.461, 69.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 56.354, 61.136 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(148, 74, 1)` looks like.

```
.text, #text, p{  
    color:rgb(148, 74, 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(148, 74, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 74, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 56.354, 61.136 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(148, 74, 1) }
```

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

```
.border{ border-color:rgb(148, 74, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 74, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 74, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 74, 1);  
box-shadow:4px 4px 4px 4px rgb(148, 74, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 56.354, 61.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 74, 1) }
```

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

```
.background{ background-color: rgb(148, 74,  
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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