

Converting Colors

CIELCh(44, 63.068, 58.624)

Have a look what the booklet for
CIELCh(44, 63.068, 58.624) contains.

CIELCh(44, 63.073, 58.497)	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(44, 63.073, 58.497)

Conversions

Conversions Part 1

Format	Color
Hex	A84F00
RGB	168, 79, 0
RGB Percent	66%, 31%, 0%
CMY	0.3425, 0.6913, 1.0000
CMYK	0.00, 0.53, 1.00, 0.34
HSL	28°, 100%, 33%
HSV	28°, 100%, 66%
XYZ	18.8494, 13.8382, 1.6680
YIQ	96.6050, 78.4030, -5.7010

Conversions

Conversions Part 2

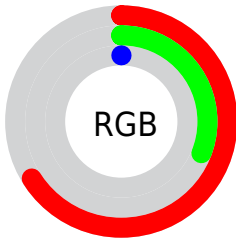
Format	Color
R_{YB}	168, 149, 0
Decimal	11030272
CIE Lab	44.00, 32.96, 53.78
CIE LCh	44, 63.073, 58.497
Yxy	13.8382, 0.5487, 0.4028
Android (android.graphics.Color)	4289220352 (0xFFA84F00)
YUV	96.6050, -47.6263, 62.6134
Hunter-Lab	37.1997, 25.3478, 23.3813

Details

The CIELCh color **44, 63.073, 58.497** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **38, 49.270, 280.547**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.846, 58.645**, and **24, 48.445, 46.461** is the 20% darker color. If you saturate the color by 10%, you get **44, 62.995, 58.452**, and if you desaturate by 10%, it is **46, 58.009, 60.610**.

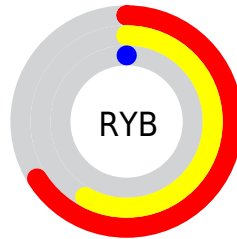
Distribution



Red (66%)

Green (31%)

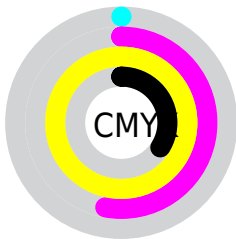
Blue (0%)



Red (66%)

Yellow (58%)

Blue (0%)

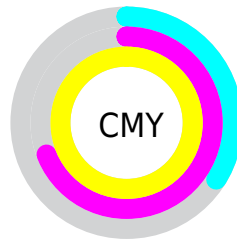


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 63.073, 58.497 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 44, 63.073, 58.497 by changing the saturation by 10% instead.

■ 44, 63.073, 58.497

■ 44, 63.073, 58.497

■ 100, 63.073,
58.497

■ 34, 63.073, 58.497

■ 64, 63.073, 58.497

■ 24, 63.073, 58.497

■ 74, 63.073, 58.497

■ 14, 63.073, 58.497

■ 84, 63.073, 58.497

■ 4, 63.073, 58.497

■ 94, 63.073, 58.497

■ 0, 63.073, 58.497

■ 44, 63.073, 58.497

■ 44, 63.073, 58.497

■ 44, 62.995, 58.452

■ 46, 58.009, 60.610

■ 48, 51.926, 62.397

■ 50, 45.007, 63.793

■ 53, 37.867, 65.026

■ 55, 30.831, 66.204

■ 58, 24.046, 67.371

■ 60, 17.570, 68.538

■ 63, 11.413, 69.701

■ 66, 5.562, 70.837

Harmonies

Complementary

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



44, 63.073, 58.497



38, 49.270, 280.547

Rectangle

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



44, 63.073, 58.497



44, 63.073, 108.497



44, 63.073, 238.497



44, 63.073, 288.497

Sweetspot

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



44, 62.995, 58.452



76, 21.684, 68.475



36, 62.399, 358.560



39, 15.072, 68.002



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



44, 62.995, 58.452



56, 76.614, 57.723



65, 69.085, 100.727



34, 3.151, 70.915



39, 57.312, 58.875



3, 5.463, 64.390

Inverse Universe

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



38, 49.270, 280.547



49, 60.678, 281.451



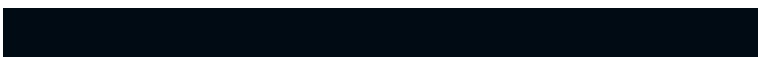
20, 96.160, 305.836



34, 3.072, 253.269



33, 44.501, 280.018



3, 5.961, 259.914

Previews

White Background



This preview shows how the CIELCh color 44, 63.073, 58.497 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 44, 63.073, 58.497 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 44, 63.073, 58.497

Background



This preview shows how black text looks on a background with the CIELCh color 44, 63.073, 58.497.



This preview shows how white text looks on a background with the CIELCh color 44, 63.073, 58.497.

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

44, 63.073, 58.497

Protanopia

44, 47.292, 95.523

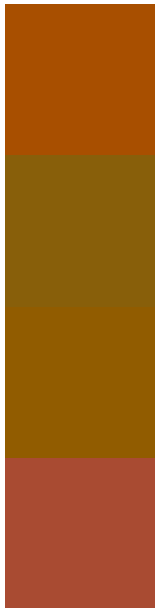
Deuteranopia

44, 51.534, 84.038



Tritanopia
44, 43.723, 22.876

Trichromacy



Original Color
44, 63.073, 58.497

Protanomaly
43, 49.559, 78.579

Deuteranomaly
44, 54.175, 73.263

Tritanomaly
44, 49.693, 42.010

Monochromacy



Original Color
44, 63.073, 58.497

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 23.719, 66.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 63.073, 58.497 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(168, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 79, 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(168, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 79, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 63.073, 58.497 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(168, 79, 0) }
```

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

```
.border{ border-color:rgb(168, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 63.073, 58.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 79, 0) }
```

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

```
.background{ background-color: rgb(168, 79,  
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