

Converting Colors

CIELCh(64, 43.356, 89.723)

Have a look what the booklet for
CIELCh(64, 43.356, 89.723) contains.

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Color

CIELCh(64, 43.413, 89.868)

Conversions

Conversions Part 1

Format	Color
Hex	B3994C
RGB	179, 153, 76
RGB Percent	70%, 60%, 30%
CMY	0.2988, 0.4007, 0.7026
CMYK	0.00, 0.15, 0.58, 0.30
HSL	45°, 40%, 50%
HSV	45°, 58%, 70%
XYZ	31.2041, 32.8017, 11.4925
YIQ	151.9960, 40.2130, -18.4350

Conversions

Conversions Part 2

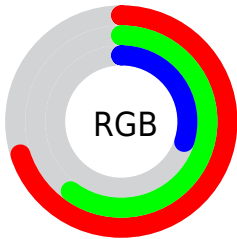
Format	Color
RYB	111, 179, 76
Decimal	11770188
CIELab	64.00, 0.10, 43.41
CIELCh	64, 43.413, 89.868
Yxy	32.8017, 0.4133, 0.4345
Android (android.graphics.Color)	4289960268 (0xFFB3994C)
YUV	151.9960, -37.4660, 23.6825
Hunter-Lab	57.2727, -2.9744, 28.1936

Details

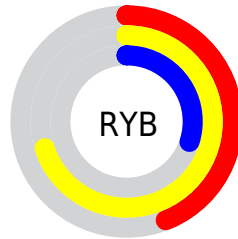
The CIELCh color **64, 43.413, 89.868** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **45, 46.080, 287.566**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 43.461, 89.739**, and **44, 43.411, 89.360** is the 20% darker color. If you saturate the color by 10%, you get **63, 50.344, 88.503**, and if you desaturate by 10%, it is **65, 36.026, 91.198**.

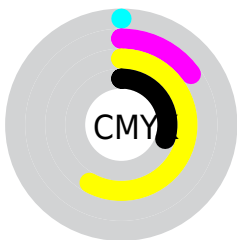
Distribution



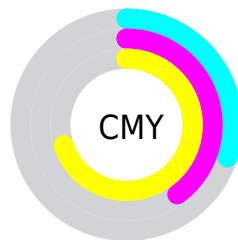
- Red (70%)
- Green (60%)
- Blue (30%)



- Red (44%)
- Yellow (70%)
- Blue (30%)



- Cyan (0%)
- Magenta (15%)
- Yellow (58%)
- Black (30%)



- Cyan (30%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 43.413, 89.868 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 64, 43.413, 89.868 by changing the saturation by 10% instead.

64, 43.413, 89.868

64, 43.413, 89.868

100, 43.413,
89.868

54, 43.413, 89.868

84, 43.413, 89.868

44, 43.413, 89.868

94, 43.413, 89.868

34, 43.413, 89.868

24, 43.413, 89.868

14, 43.413, 89.868

4, 43.413, 89.868

0, 43.413, 89.868

64, 43.413, 89.868

64, 43.413, 89.868

63, 50.344, 88.503

65, 36.026, 91.198

61, 56.397, 87.063

67, 28.438, 92.493

60, 60.978, 85.486

68, 20.799, 93.757

59, 63.631, 83.692

70, 13.190, 94.987

59, 64.194, 83.258

72, 5.652, 96.166

73, 1.793, 277.448

75, 9.139, 278.480

77, 16.383,
279.532

78, 23.530,
280.540

Harmonies

Complementary

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



64, 43.413, 89.868



45, 46.080, 287.566

Rectangle

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



64, 43.413, 89.868



64, 43.413, 139.868



64, 43.413, 269.868



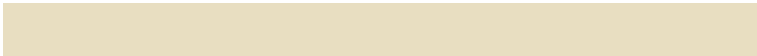
64, 43.413, 319.868

Sweetspot

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



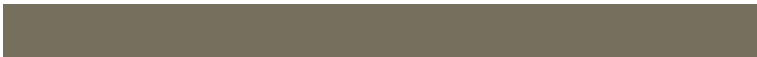
64, 43.413, 89.871



89, 15.753, 95.023



47, 44.808, 6.775



47, 10.634, 94.784



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 43.413, 89.871



79, 63.214, 88.140



69, 54.265, 115.806



37, 4.217, 95.967



51, 57.279, 83.537



6, 9.215, 90.001

Inverse Universe

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



45, 46.080, 287.566



51, 69.559, 291.179



40, 62.581, 304.474



35, 4.248, 278.243



23, 74.047, 300.058



2, 10.846, 280.713

Previews

White Background



This preview shows how the CIELCh color 64, 43.413, 89.868 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 43.413, 89.868 looks on a black 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 ✓ Pass

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

CIELCh 64, 43.413, 89.868

Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.413, 89.868.



This preview shows how white text looks on a background with the CIELCh color 64, 43.413, 89.868.

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

64, 43.413, 89.868

Protanopia

64, 42.800, 95.270

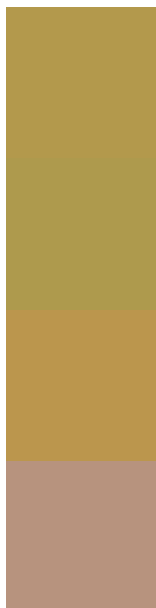
Deuteranopia

64, 43.887, 79.370



Tritanopia
64, 17.578, 0.986

Trichromacy



Original Color
64, 43.413, 89.868

Protanomaly
64, 42.642, 93.396

Deuteranomaly
64, 43.465, 83.028

Tritanomaly
64, 19.298, 57.292

Monochromacy



Original Color
64, 43.413, 89.868

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 16.112, 93.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 43.413, 89.868 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(179, 153, 76)` looks like.

```
.text, #text, p{  
    color:rgb(179, 153, 76)  
}
```

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(179, 153, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 153, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 43.413, 89.868 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(179, 153, 76) }
```

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

```
.border{ border-color:rgb(179, 153, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 153, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 153, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 153, 76);  
box-shadow:4px 4px 4px 4px rgb(179, 153,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 43.413, 89.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 153, 76) }
```

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

```
.background{ background-color: rgb(179,  
153, 76) }
```

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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