

# Converting Colors

CIELCh(44, 4.689, 89.883)

Have a look what the booklet for  
CIELCh(44, 4.689, 89.883) contains.

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# Color

**CIELCh(44, 4.932, 94.488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B6860
RGB	107, 104, 96
RGB Percent	42%, 41%, 38%
CMY	0.5808, 0.5926, 0.6240
CMYK	0.00, 0.03, 0.10, 0.58
HSL	44°, 5%, 40%
HSV	44°, 10%, 42%
XYZ	13.0940, 13.8382, 13.0195
YIQ	103.9850, 4.3560, -1.8520

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 107, 96
Decimal	7039072
CIE Lab	44.00, -0.39, 4.92
CIE LCh	44, 4.932, 94.488
Yxy	13.8382, 0.3277, 0.3464
Android (android.graphics.Color)	4285229152 (0xFF6B6860)
YUV	103.9850, -3.9366, 2.6442
Hunter-Lab	37.1997, -2.2690, 5.2890

# Details

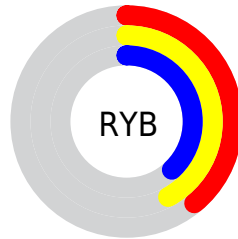
The CIELCh color **44, 4.932, 94.488** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 4.961, 276.935**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 5.125, 96.330**, and **24, 4.832, 91.911** is the 20% darker color. If you saturate the color by 10%, you get **43, 9.798, 93.349**, and if you desaturate by 10%, it is **45, 0.132, 94.695**.

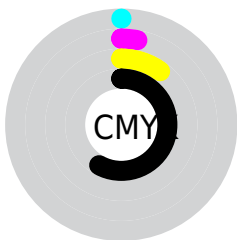
# Distribution



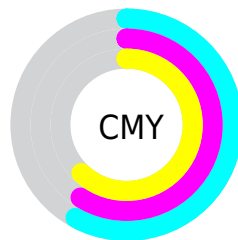
- Red (42%)
- Green (41%)
- Blue (38%)



- Red (39%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (58%)



- Cyan (58%)
- Magenta (59%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 4.932, 94.488 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, 4.932, 94.488 by changing the saturation by 10% instead.



 44, 4.932, 94.488	 44, 4.932, 94.488
 100, 4.932, 94.488	 34, 4.932, 94.488
 64, 4.932, 94.488	 24, 4.932, 94.488
 74, 4.932, 94.488	 14, 4.932, 94.488
 84, 4.932, 94.488	 4, 4.932, 94.488
 94, 4.932, 94.488	 0, 4.932, 94.488

 44, 4.932, 94.488	 44, 4.932, 94.488
 43, 9.798, 93.349	 45, 0.132, 94.695
 42, 14.715, 92.153	 46, 4.600, 276.769
 41, 19.659, 90.923	 47, 9.263, 277.796

40, 24.582, 89.662

49, 13.860,  
278.788

39, 29.398, 88.368

50, 18.393,  
279.735

38, 33.958, 87.028

37, 38.018, 85.610

51, 22.866,  
280.637

36, 41.228, 84.053

52, 27.283,  
281.494

35, 44.092, 82.573

54, 31.646,  
282.306

55, 35.959,  
283.074

# Harmonies

# Complementary

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



44, 4.932, 94.488



42, 4.961, 276.935

# Rectangle

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



44, 4.932, 94.488



44, 4.932, 144.488



44, 4.932, 274.488



44, 4.932, 324.488

# Sweetspot

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



44, 4.933, 94.502



57, 1.757, 95.258



42, 5.004, 357.991



29, 1.323, 95.198



79, 0.010, 296.813



29, 0.005, 296.813



# Same Dimension

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



44, 4.933, 94.502



56, 7.094, 94.273



45, 6.622, 118.001



22, 2.695, 94.650



38, 47.069, 82.325



77, 80.677, 80.899





# Inverse Universe

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



42, 4.961, 276.935



53, 7.137, 277.195



41, 6.761, 299.304



21, 2.710, 276.771



17, 57.923, 298.310



39, 105.595, 300.202



# Previews

## White Background



This preview shows how the CIELCh color 44, 4.932, 94.488 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 CIE LCh color 44, 4.932, 94.488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

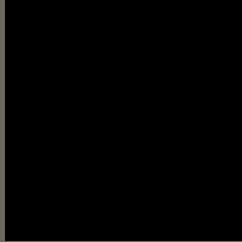
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 4.932, 94.488**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 4.932, 94.488.

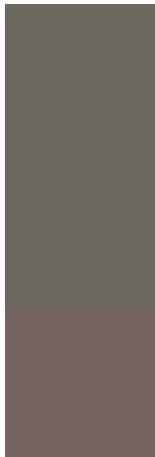


This preview shows how white text looks on a background with the CIELCh color 44, 4.932, 94.488.

# 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, 4.932, 94.488

### Protanopia

44, 5.057, 89.794

### Deuteranopia

44, 7.533, 33.935



**Tritanopia**  
44, 5.606, 321.303



# Trichromacy



## Original Color

44, 4.932, 94.488

## Protanomaly

44, 5.057, 89.794

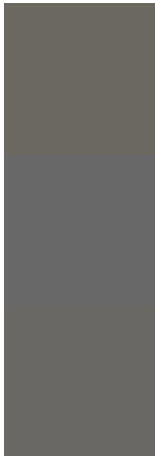
## Deuteranomaly

44, 5.663, 44.806

## Tritanomaly

44, 2.400, 349.684

# Monochromacy



## Original Color

44, 4.932, 94.488

## Achromatopsia

44, 0.006, 296.813

## Achromatomaly

44, 1.831, 96.751

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 4.932, 94.488 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(107, 104, 96)` looks like.

```
.text, #text, p{  
    color:rgb(107, 104, 96)  
}
```

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(107, 104, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 104, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 4.932, 94.488 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(107, 104, 96) }
```

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

```
.border{ border-color:rgb(107, 104, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 104, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 104, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 104, 96);  
box-shadow:4px 4px 4px 4px rgb(107, 104,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 4.932, 94.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 104, 96) }
```

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

```
.background{ background-color: rgb(107,  
104, 96) }
```

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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