

# Converting Colors

CIELCh(69, 6.562, 44.877)

Have a look what the booklet for  
CIELCh(69, 6.562, 44.877) contains.

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# Color

**CIELCh(69, 6.801, 43.494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A5A0
RGB	181, 165, 160
RGB Percent	71%, 65%, 63%
CMY	0.2896, 0.3524, 0.3720
CMYK	0.00, 0.09, 0.12, 0.29
HSL	14°, 12%, 67%
HSV	14°, 12%, 71%
XYZ	38.9268, 39.3444, 38.8641
YIQ	169.2140, 11.1410, 1.8370

# Conversions

## Conversions Part 2

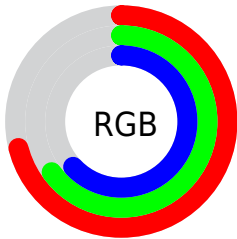
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 167, 160
Decimal	11904416
CIELab	69.00, 4.93, 4.68
CIELCh	69, 6.801, 43.494
Yxy	39.3444, 0.3323, 0.3359
Android (android.graphics.Color)	4290094496 (0xFFB5A5A0)
YUV	169.2140, -4.5425, 10.3363
Hunter-Lab	62.7251, 1.0071, 7.1718

# Details

The CIELCh color  $69, 6.801, 43.494$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $71, 6.344, 224.631$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 6.749, 42.300$ , and  $49, 6.720, 40.339$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 13.185, 43.278$ , and if you desaturate by 10%, it is  $73, 0.897, 43.388$ .

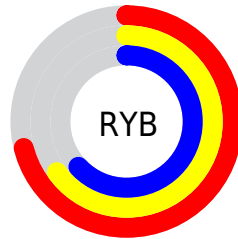
# Distribution



Red (71%)

Green (65%)

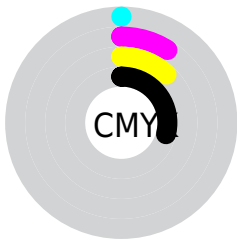
Blue (63%)



Red (71%)

Yellow (65%)

Blue (63%)

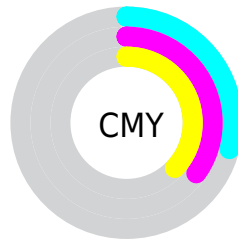


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (29%)



Cyan (29%)

Magenta (35%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 6.801, 43.494 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 69, 6.801, 43.494 by changing the saturation by 10% instead.



 69, 6.801, 43.494       69, 6.801, 43.494

 100, 6.801, 43.494       59, 6.801, 43.494

 89, 6.801, 43.494       49, 6.801, 43.494

 99, 6.801, 43.494       39, 6.801, 43.494

 29, 6.801, 43.494

 19, 6.801, 43.494

 9, 6.801, 43.494

 0, 6.801, 43.494

 69, 6.801, 43.494       69, 6.801, 43.494

 65, 13.185, 43.278       73, 0.897, 43.388

61, 20.092, 43.132

77, 4.573, 224.462

57, 27.550, 43.121

81, 9.656, 224.864

54, 35.559, 43.276

86, 14.400,  
225.333

50, 44.065, 43.614

90, 18.844,  
225.828

47, 52.917, 44.112

44, 61.750, 44.646

94, 21.564,  
207.911

42, 69.755, 44.864

95, 23.664,  
197.958

41, 75.424, 44.841

# Harmonies

# Complementary

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



69, 6.801, 43.494



71, 6.344, 224.631

# Rectangle

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



69, 6.801, 43.494



69, 6.801, 93.494



69, 6.801, 223.494



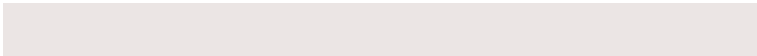
69, 6.801, 273.494

# Sweetspot

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



69, 6.800, 43.512



91, 2.098, 43.597



68, 11.905, 332.433



48, 1.594, 43.627



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



69, 6.800, 43.512



86, 10.240, 43.446



72, 8.624, 94.704



37, 3.330, 43.567



35, 67.074, 45.144



4, 9.154, 36.522





# Inverse Universe

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



71, 6.344, 224.631



89, 9.390, 224.775



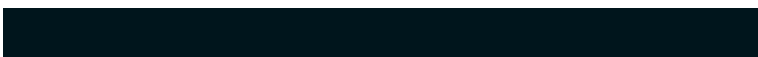
68, 8.682, 277.578



38, 3.151, 224.525



46, 31.149, 243.132



6, 8.518, 235.615



# Previews

## White Background



This preview shows how the CIELCh color 69, 6.801, 43.494 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 CIELCh color 69, 6.801, 43.494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

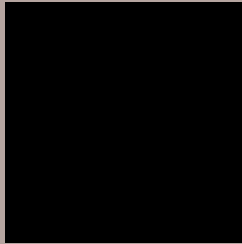
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 6.801, 43.494**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 6.801, 43.494.



This preview shows how white text looks on a background with the CIELCh color 69, 6.801, 43.494.

# 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

69, 6.801, 43.494

### Protanopia

69, 3.788, 79.316

### Deuteranopia

69, 9.838, 26.573



**Tritanopia**  
69, 10.410, 337.129



# Trichromacy



**Original Color**  
69, 6.801, 43.494

**Protanomaly**  
69, 4.769, 62.958

**Deuteranomaly**  
69, 8.745, 30.862

**Tritanomaly**  
69, 7.627, 354.559

# Monochromacy



**Original Color**  
69, 6.801, 43.494

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 2.186, 49.342

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 6.801, 43.494 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(181, 165, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 165, 160)  
}
```

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(181, 165, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 165, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 6.801, 43.494 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(181, 165, 160) }
```

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

```
.border{ border-color:rgb(181, 165, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 165, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 165, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 165, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 165,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 6.801, 43.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 165, 160) }
```

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

```
.background{ background-color: rgb(181,  
165, 160) }
```

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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