

# Converting Colors

CIELCh(69, 56.669, 95.741)

Have a look what the booklet for  
CIELCh(69, 56.669, 95.741) contains.

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**Color**

**CIELCh(69, 56.674, 95.704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCA93C
RGB	188, 169, 60
RGB Percent	74%, 66%, 24%
CMY	0.2631, 0.3376, 0.7651
CMYK	0.00, 0.10, 0.68, 0.26
HSL	51°, 52%, 49%
HSV	51°, 68%, 74%
XYZ	35.6973, 39.3444, 9.9744
YIQ	162.2550, 46.3130, -29.8710

# Conversions

## Conversions Part 2

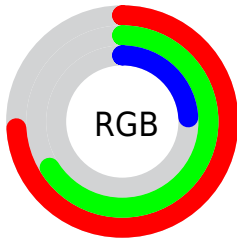
Format	Color
R <sub>YB</sub>	82, 188, 60
Decimal	12364092
CIE Lab	69.00, -5.63, 56.39
CIE LCh	69, 56.674, 95.704
Yxy	39.3444, 0.4199, 0.4628
Android (android.graphics.Color)	4290554172 (0xFFBCA93C)
YUV	162.2550, -50.4117, 22.5784
Hunter-Lab	62.7251, -8.1834, 34.4794

# Details

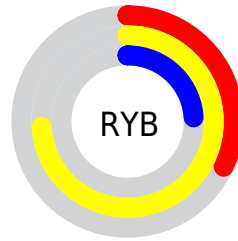
The CIELCh color **69, 56.674, 95.704** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **38, 66.322, 295.852**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 56.732, 95.704**, and **49, 54.958, 95.704** is the 20% darker color. If you saturate the color by 10%, you get **68, 62.771, 94.608**, and if you desaturate by 10%, it is **70, 49.391, 96.825**.

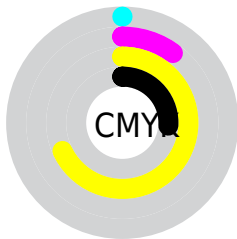
# Distribution



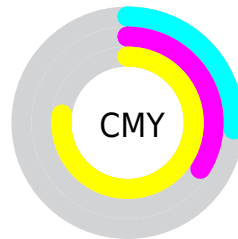
- Red (74%)
- Green (66%)
- Blue (24%)



- Red (32%)
- Yellow (74%)
- Blue (24%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (26%)



- Cyan (26%)
- Magenta (34%)
- Yellow (77%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 56.674, 95.704 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, 56.674, 95.704 by changing the saturation by 10% instead.



 69, 56.674, 95.704

 69, 56.674, 95.704

 100, 56.674,  
95.704

 59, 56.674, 95.704

 89, 56.674, 95.704

 49, 56.674, 95.704

 99, 56.674, 95.704

 39, 56.674, 95.704

 29, 56.674, 95.704

 19, 56.674, 95.704

 9, 56.674, 95.704

 0, 56.674, 95.704

 69, 56.674, 95.704

 69, 56.674, 95.704

 68, 62.771, 94.608

 70, 49.391, 96.825

67, 67.102, 93.518

71, 41.391, 97.960

67, 69.367, 92.410

72, 32.991, 99.101

66, 69.720, 92.202

73, 24.393,  
100.239

74, 15.713,  
101.360

75, 7.024, 102.450

76, 1.636, 283.613

78, 10.243,  
284.581

79, 18.783,  
285.565

# Harmonies

# Complementary

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



69, 56.674, 95.704



38, 66.322, 295.852

# Rectangle

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



69, 56.674, 95.704



69, 56.674, 145.704



69, 56.674, 275.704



69, 56.674, 325.704

# Sweetspot

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



69, 56.674, 95.707



94, 21.510, 101.114



45, 55.413, 18.959



49, 14.672, 100.799



98, 0.011, 296.813



51, 0.007, 296.813



# Same Dimension

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



69, 56.674, 95.707



86, 79.638, 94.039



71, 66.559, 120.564



39, 4.923, 102.318



57, 61.426, 92.358



9, 13.883, 98.128





# Inverse Universe

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



38, 66.322, 295.852



41, 100.845, 300.033



38, 77.185, 308.413



37, 4.996, 284.417



20, 85.330, 303.667



2, 15.592, 286.116



# Previews

## White Background



This preview shows how the CIELCh color 69, 56.674, 95.704 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 69, 56.674, 95.704 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, 56.674, 95.704

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.674, 95.704.



This preview shows how white text looks on a background with the CIELCh color 69, 56.674, 95.704.

# 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, 56.674, 95.704

### Protanopia

69, 56.674, 95.704

### Deuteranopia

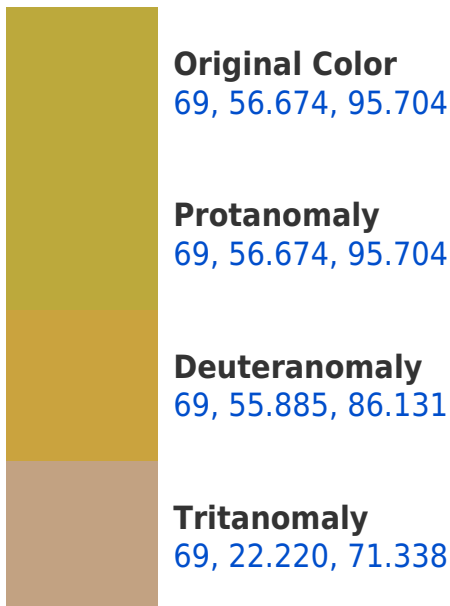
69, 56.372, 80.914



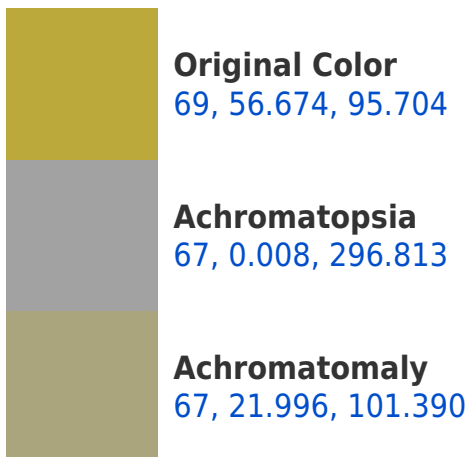
**Tritanopia**  
69, 16.373, 357.412



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 56.674, 95.704 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(188, 169, 60)` looks like.

```
.text, #text, p{  
    color:rgb(188, 169, 60)  
}
```

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(188, 169, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 169, 60) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 56.674, 95.704 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(188, 169, 60) }
```

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

```
.border{ border-color:rgb(188, 169, 60) }
```

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

Here you see how a box with a 4 pixel rgb(188, 169, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 169, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 169, 60);  
box-shadow:4px 4px 4px 4px rgb(188, 169,  
60) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 56.674, 95.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 169, 60) }
```

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

```
.background{ background-color: rgb(188,  
169, 60) }
```

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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