

# Converting Colors

CIELCh(66, 30.629, 87.052)

Have a look what the booklet for  
CIELCh(66, 30.629, 87.052) contains.

|  |    |
|--|----|
| <b>CIELCh(66, 30.954, 87.392)</b> .....        | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 20 |
| <i><b>Color Blindness Simulation</b></i> ..... | 23 |
| <i><b>CSS Examples</b></i> .....               | 26 |

# Color

**CIELCh(66, 30.954, 87.392)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B69E69                      |
| RGB         | 182, 158, 105               |
| RGB Percent | 71%, 62%, 41%               |
| CMY         | 0.2871, 0.3811, 0.5890      |
| CMYK        | 0.00, 0.13, 0.42, 0.29      |
| HSL         | 41°, 34%, 56%               |
| HSV         | 41°, 42%, 71%               |
| XYZ         | 33.9772, 35.3238, 18.3423   |
| YIQ         | 159.1340, 31.3170, -11.3950 |

# Conversions

## Conversions Part 2

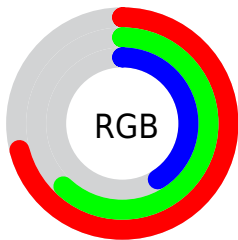
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">140, 182, 105</a>                   |
| Decimal                             | <a href="#">11968105</a>                        |
| CIELab                              | <a href="#">66.00, 1.41, 30.92</a>              |
| CIElCh                              | <a href="#">66, 30.954, 87.392</a>              |
| Yxy                                 | <a href="#">35.3238, 0.3877,<br/>0.4030</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4290158185<br/>(0xFFB69E69)</a>     |
| YUV                                 | <a href="#">159.1340, -26.6881,<br/>20.0535</a> |
| Hunter-Lab                          | <a href="#">59.4338, -1.9641,<br/>23.3058</a>   |

# Details

The CIELCh color **66, 30.954, 87.392** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **54, 31.107, 279.898**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.726, 86.980**, and **46, 30.720, 87.899** is the 20% darker color. If you saturate the color by 10%, you get **64, 38.396, 86.014**, and if you desaturate by 10%, it is **68, 23.490, 88.738**.

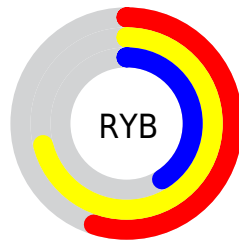
# Distribution



Red (71%)

Green (62%)

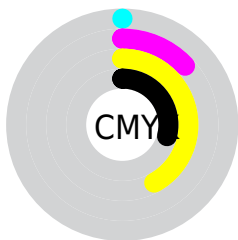
Blue (41%)



Red (55%)

Yellow (71%)

Blue (41%)

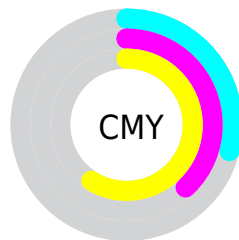


Cyan (0%)

Magenta (13%)

Yellow (42%)

Black (29%)



Cyan (29%)

Magenta (38%)

Yellow (59%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 30.954, 87.392 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 66, 30.954, 87.392 by changing the saturation by 10% instead.



 66, 30.954, 87.392

 66, 30.954, 87.392

 100, 30.954,  
87.392

 56, 30.954, 87.392

 86, 30.954, 87.392

 46, 30.954, 87.392

 96, 30.954, 87.392

 36, 30.954, 87.392

 26, 30.954, 87.392

 16, 30.954, 87.392

 6, 30.954, 87.392

 0, 30.954, 87.392

 66, 30.954, 87.392

 66, 30.954, 87.392

 64, 38.396, 86.014

 68, 23.490, 88.738

63, 45.640, 84.579

70, 16.093, 90.041

61, 52.379, 83.058

72, 8.806, 91.297

59, 58.102, 81.379

74, 1.650, 92.417

58, 62.122, 79.413

75, 5.374, 273.761

57, 64.147, 77.728

78, 12.268,  
274.867

80, 19.038,  
275.938

82, 25.693,  
276.960

83, 25.575,  
272.711

# Harmonies

# Complementary

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



66, 30.954, 87.392



54, 31.107, 279.898

# Rectangle

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



66, 30.954, 87.392



66, 30.954, 137.392



66, 30.954, 267.392



66, 30.954, 317.392

# Sweetspot

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



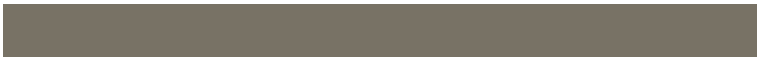
66, 30.955, 87.397



91, 11.521, 91.189



54, 33.795, 359.945



48, 8.145, 90.915



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



66, 30.955, 87.397



82, 46.428, 86.081



71, 41.160, 114.426



38, 4.062, 91.661



49, 57.200, 78.077



7, 9.895, 82.777





# Inverse Universe

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



54, 31.107, 279.898



64, 46.967, 282.216



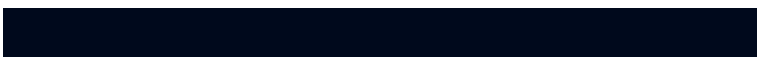
49, 45.554, 301.272



36, 4.070, 274.047



25, 68.983, 297.296



2, 12.025, 278.782



# Previews

## White Background



This preview shows how the CIELCh color 66, 30.954, 87.392 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 66, 30.954, 87.392 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 66, 30.954, 87.392**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 30.954, 87.392.



This preview shows how white text looks on a background with the CIELCh color 66, 30.954, 87.392.

# 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

66, 30.954, 87.392

### Protanopia

66, 30.142, 95.474

### Deuteranopia

66, 31.590, 73.805



**Tritanopia**  
66, 15.592, 358.115



# Trichromacy



**Original Color**  
66, 30.954, 87.392

**Protanomaly**  
66, 30.080, 92.086

**Deuteranomaly**  
66, 30.998, 78.729

**Tritanomaly**  
66, 15.079, 46.339

# Monochromacy



**Original Color**  
66, 30.954, 87.392

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 11.496, 92.717

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 30.954, 87.392 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(182, 158, 105)` looks like.

```
.text, #text, p{  
    color:rgb(182, 158, 105)  
}
```

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(182, 158, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 158, 105) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 30.954, 87.392 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(182, 158, 105) }
```

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

```
.border{ border-color:rgb(182, 158, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 158, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 158, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 158, 105);  
box-shadow:4px 4px 4px 4px rgb(182, 158,  
105) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 30.954, 87.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 158, 105) }
```

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

```
.background{ background-color: rgb(182,  
158, 105) }
```

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