

# Converting Colors

CIELCh(66, 26.594, 142.951)

Have a look what the booklet for  
CIELCh(66, 26.594, 142.951)  
contains.

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# Color

**CIELCh(66, 26.378, 142.963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83AA83
RGB	131, 170, 131
RGB Percent	51%, 67%, 51%
CMY	0.4854, 0.3324, 0.4854
CMYK	0.23, 0.00, 0.23, 0.33
HSL	120°, 19%, 59%
HSV	120°, 23%, 67%
XYZ	27.9242, 35.3238, 26.8973
YIQ	153.8930, -10.7250, -20.3970

# Conversions

## Conversions Part 2

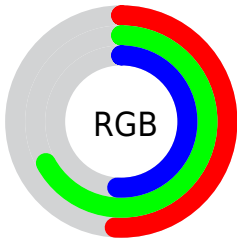
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 170, 170
Decimal	8628867
CIELab	66.00, -21.06, 15.89
CIElCh	66, 26.378, 142.963
Yxy	35.3238, 0.3098, 0.3919
Android (android.graphics.Color)	4286818947 (0xFF83AA83)
YUV	153.8930, -11.2862, -20.0772
Hunter-Lab	59.4338, -20.1434, 14.7715

# Details

The CIELCh color  $66, 26.378, 142.963$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $60, 26.393, 325.665$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 26.087, 142.682$ , and  $46, 26.718, 142.356$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 37.814, 142.128$ , and if you desaturate by 10%, it is  $68, 14.824, 143.686$ .

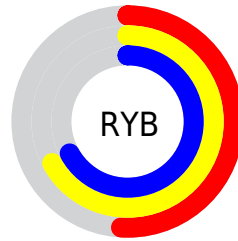
# Distribution



Red (51%)

Green (67%)

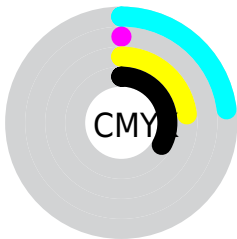
Blue (51%)



Red (51%)

Yellow (67%)

Blue (67%)

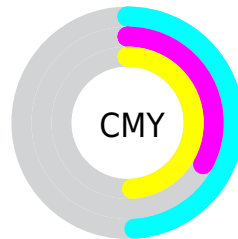


Cyan (23%)

Magenta (0%)

Yellow (23%)

Black (33%)



Cyan (49%)

Magenta (33%)


Yellow (49%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 26.378, 142.963 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, 26.378, 142.963 by changing the saturation by 10% instead.




 66, 26.378,  
142.963


 66, 26.378,  
142.963


 100, 26.378,  
142.963


 56, 26.378,  
142.963


 86, 26.378,  
142.963

 46, 26.378,  
142.963

 96, 26.378,  
142.963

 36, 26.378,  
142.963

 26, 26.378,  
142.963

 16, 26.378,  
142.963

 6, 26.378, 142.963

 0, 26.378, 142.963

66, 26.378,  
142.963

66, 26.378,  
142.963

65, 37.814,  
142.128

68, 14.824,  
143.686

64, 48.896,  
141.174

69, 3.320, 144.349

63, 59.332,  
140.116

71, 8.007, 324.769

62, 68.760,  
138.997

73, 19.074,  
325.223

61, 76.755,  
137.904

75, 29.826,  
325.598

61, 82.864,  
136.967

77, 40.237,  
325.914

61, 86.732,  
136.322

80, 50.294,  
326.184

61, 88.489,

80, 52.960,  
326.251



# Harmonies

# Complementary

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



66, 26.378, 142.963



60, 26.393, 325.665

# Rectangle

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



66, 26.378, 142.963



66, 26.378, 192.963



66, 26.378, 322.963



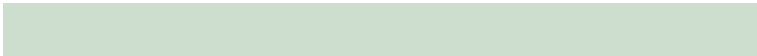
66, 26.378, 12.963

# Sweetspot

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



66, 26.380, 142.963



87, 9.925, 144.064



69, 20.876, 107.296



46, 6.504, 144.027



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



66, 26.380, 142.963



83, 39.960, 142.511



66, 18.482, 160.787



35, 6.419, 143.926



53, 79.798, 136.016



5, 11.671, 144.442



# Inverse Universe

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



60, 26.393, 325.665



73, 39.962, 325.961



59, 18.968, 344.729



33, 6.429, 324.919



35, 76.993, 328.231



2, 11.673, 324.437



# Previews

## White Background



This preview shows how the CIELCh color 66, 26.378, 142.963 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 66, 26.378, 142.963 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, 26.378, 142.963**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 26.378, 142.963.



This preview shows how white text looks on a background with the CIELCh color 66, 26.378, 142.963.

# 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, 26.378, 142.963

**Protanopia**  
66, 19.164, 95.683

**Deuteranopia**  
66, 16.337, 59.845





**Tritanopia**  
66, 11.203, 239.062

# Trichromacy



**Original Color**  
66, 26.378, 142.963

**Protanomaly**  
66, 20.019, 117.431

**Deuteranomaly**  
66, 14.468, 100.576

**Tritanomaly**  
66, 11.579, 181.678

# Monochromacy



**Original Color**  
66, 26.378, 142.963

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 9.521, 143.964

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 26.378, 142.963 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(131, 170, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 170, 131)  
}
```

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(131, 170, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 170, 131) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 26.378, 142.963 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(131, 170, 131) }
```

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

```
.border{ border-color:rgb(131, 170, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 170, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 170,  
131) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 26.378, 142.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 170, 131) }
```

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

```
.background{ background-color: rgb(131,  
170, 131) }
```

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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