

# Converting Colors

CIELCh(65, 22.169, 105.101)

Have a look what the booklet for  
CIELCh(65, 22.169, 105.101)  
contains.

<b>CIELCh(65, 22.531, 105.631)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(65, 22.531, 105.631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2A077
RGB	162, 160, 119
RGB Percent	64%, 63%, 47%
CMY	0.3656, 0.3734, 0.5342
CMYK	0.00, 0.01, 0.27, 0.37
HSL	57°, 19%, 55%
HSV	57°, 27%, 63%
XYZ	30.7019, 34.0472, 22.3381
YIQ	155.9240, 14.3530, -12.3270

# Conversions

## Conversions Part 2

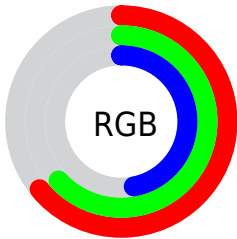
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 162, 119
Decimal	10657911
CIELab	65.00, -6.07, 21.70
CIELCh	65, 22.531, 105.631
Yxy	34.0472, 0.3525, 0.3910
Android (android.graphics.Color)	4288847991 (0xFFA2A077)
YUV	155.9240, -18.2035, 5.3287
Hunter-Lab	58.3500, -8.1913, 18.1470

# Details

The CIELCh color  $65, 22.531, 105.631$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $52, 23.831, 291.458$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 22.935, 106.257$ , and  $45, 22.823, 105.771$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 30.831, 104.644$ , and if you desaturate by 10%, it is  $66, 14.095, 106.631$ .

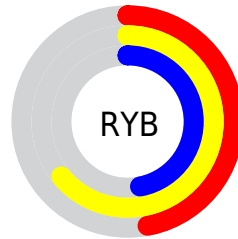
# Distribution



Red (64%)

Green (63%)

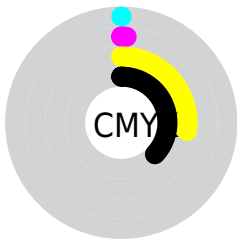
Blue (47%)



Red (47%)

Yellow (64%)

Blue (47%)

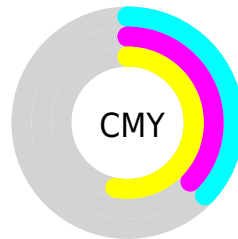


Cyan (0%)

Magenta (1%)

Yellow (27%)

Black (37%)



Cyan (37%)

Magenta (37%)


Yellow (53%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 22.531, 105.631 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 65, 22.531, 105.631 by changing the saturation by 10% instead.





 65, 22.531,  
105.631


 65, 22.531,  
105.631


 100, 22.531,  
105.631


 55, 22.531,  
105.631


 85, 22.531,  
105.631

 45, 22.531,  
105.631

 95, 22.531,  
105.631

 35, 22.531,  
105.631

 25, 22.531,  
105.631

 15, 22.531,  
105.631

 5, 22.531, 105.631

 0, 22.531, 105.631

65, 22.531,  
105.631

65, 22.531,  
105.631

65, 30.831,  
104.644

66, 14.095,  
106.631

64, 38.873,  
103.674

66, 5.592, 107.611

64, 46.479,  
102.749

67, 2.929, 288.617

63, 53.373,  
101.895

67, 11.440,  
289.539

63, 59.178,  
101.140

68, 19.921,  
290.444

63, 63.458,  
100.514

69, 28.357,  
291.311

62, 65.963,  
100.022

70, 36.740,  
292.138

62, 66.673, 99.867

71, 45.063,  
292.922

■ 71, 48.288,  
293.052

# Harmonies

# Complementary

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



65, 22.531, 105.631



52, 23.831, 291.458

# Rectangle

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



65, 22.531, 105.631



65, 22.531, 155.631



65, 22.531, 285.631



65, 22.531, 335.631

# Sweetspot

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



65, 22.532, 105.635



83, 8.391, 107.459



54, 17.998, 17.590



44, 5.951, 107.319



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



65, 22.532, 105.635



82, 33.336, 105.037



64, 24.949, 126.054



34, 4.849, 107.350



56, 61.661, 99.894



5, 7.462, 107.609



# Inverse Universe

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



52, 23.831, 291.458



62, 35.796, 292.387



53, 25.971, 308.639



32, 4.945, 289.236



17, 85.689, 305.545



1, 7.613, 288.451



# Previews

## White Background



This preview shows how the CIELCh color 65, 22.531, 105.631 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 65, 22.531, 105.631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

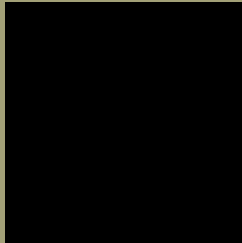
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 22.531, 105.631

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.531, 105.631.



This preview shows how white text looks on a background with the CIELCh color 65, 22.531, 105.631.

# 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

65, 22.531, 105.631


### Protanopia

65, 22.099, 94.622

### Deuteranopia

65, 22.227, 67.885





**Tritanopia**  
65, 8.562, 329.067

# Trichromacy



**Original Color**  
65, 22.531, 105.631

**Protanomaly**  
65, 22.277, 99.119

**Deuteranomaly**  
65, 21.268, 80.923

**Tritanomaly**  
65, 5.512, 64.190

# Monochromacy



**Original Color**  
65, 22.531, 105.631

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 8.317, 106.543

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 22.531, 105.631 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(162, 160, 119)` looks like.

```
.text, #text, p{  
    color:rgb(162, 160, 119)  
}
```

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(162, 160, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 160, 119) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 22.531, 105.631 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(162, 160, 119) }
```

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

```
.border{ border-color:rgb(162, 160, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 160, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 160, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 160, 119);  
box-shadow:4px 4px 4px 4px rgb(162, 160,  
119) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 22.531, 105.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 160, 119) }
```

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

```
.background{ background-color: rgb(162,  
160, 119) }
```

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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