

Converting Colors

CIELCh(67, 66.049, 137.096)

Have a look what the booklet for
CIELCh(67, 66.049, 137.096)
contains.

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Color

CIELCh(67, 65.903, 137.158)

Conversions

Conversions Part 1

Format	Color
Hex	5AB74D
RGB	90, 183, 77
RGB Percent	35%, 72%, 30%
CMY	0.6466, 0.2819, 0.6976
CMYK	0.51, 0.00, 0.58, 0.28
HSL	113°, 42%, 51%
HSV	113°, 58%, 72%
XYZ	22.5290, 36.6320, 12.9243
YIQ	143.1090, -21.4020, -52.6820

Conversions

Conversions Part 2

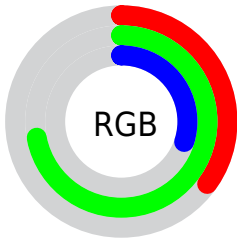
Format	Color
RYB	77, 183, 170
Decimal	5945165
CIELab	67.00, -48.32, 44.81
CIELCh	67, 65.903, 137.158
Yxy	36.6320, 0.3125, 0.5082
Android (android.graphics.Color)	4284135245 (0xFF5AB74D)
YUV	143.1090, -32.5917, -46.5766
Hunter-Lab	60.5244, -39.4744, 29.7063

Details

The CIELCh color **67, 65.903, 137.158** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **49, 66.338, 323.545**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 66.027, 137.088**, and **47, 65.951, 137.065** is the 20% darker color. If you saturate the color by 10%, you get **66, 75.221, 136.387**, and if you desaturate by 10%, it is **68, 55.471, 137.974**.

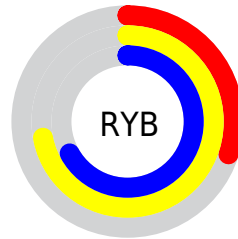
Distribution



Red (35%)

Green (72%)

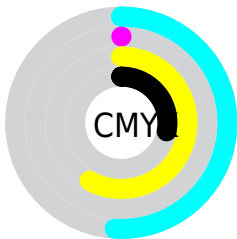
Blue (30%)



Red (30%)

Yellow (72%)

Blue (67%)

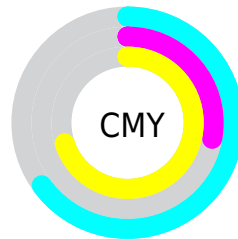


Cyan (51%)

Magenta (0%)

Yellow (58%)

Black (28%)



Cyan (65%)


Magenta (28%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 65.903, 137.158 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 67, 65.903, 137.158 by changing the saturation by 10% instead.


 67, 65.903,
137.158


 67, 65.903,
137.158


 100, 65.903,
137.158


 57, 65.903,
137.158


 87, 65.903,
137.158

 47, 65.903,
137.158

 97, 65.903,
137.158

 37, 65.903,
137.158

 27, 65.903,
137.158

 17, 65.903,
137.158

 7, 65.903, 137.158

 0, 65.903, 137.158

67, 65.903,
137.158

67, 65.903,
137.158

66, 75.221,
136.387

68, 55.471,
137.974

66, 82.951,
135.769

69, 44.316,
138.762

65, 88.614,
135.432

70, 32.742,
139.486

65, 92.033,
135.416

72, 20.981,
140.132

65, 92.613,
135.392

73, 9.207, 140.705

75, 2.454, 321.078

77, 13.914,
321.563

79, 25.114,
321.922

■ 81, 36.019,
322.224

Harmonies

Complementary

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



67, 65.903, 137.158



49, 66.338, 323.545

Rectangle

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



67, 65.903, 137.158



67, 65.903, 187.158



67, 65.903, 317.158



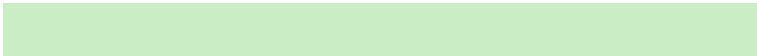
67, 65.903, 7.158

Sweetspot

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



67, 65.904, 137.159



90, 24.593, 140.169



69, 48.793, 97.775



48, 16.593, 140.047



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 65.904, 137.159



84, 93.601, 136.230



67, 52.275, 151.155



38, 6.631, 140.626



56, 82.004, 135.307



8, 18.360, 142.003

Inverse Universe

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



49, 66.338, 323.545



58, 93.698, 323.805



49, 53.005, 342.326



36, 6.657, 321.487



33, 80.600, 323.562



3, 17.760, 319.534

Previews

White Background



This preview shows how the CIELCh color 67, 65.903, 137.158 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 67, 65.903, 137.158 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 67, 65.903, 137.158

Background



This preview shows how black text looks on a background with the CIELCh color 67, 65.903, 137.158.



This preview shows how white text looks on a background with the CIELCh color 67, 65.903, 137.158.

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
67, 65.903, 137.158

Protanopia
67, 48.856, 95.509

Deuteranopia
66, 43.130, 78.141



Tritanopia
67, 20.625, 220.181

Trichromacy



Original Color
67, 65.903, 137.158



Protanomaly
66, 51.712, 116.005



Deuteranomaly
66, 44.261, 108.883



Tritanomaly
67, 30.747, 164.251

Monochromacy



Original Color
67, 65.903, 137.158



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 25.651, 139.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 65.903, 137.158 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(90, 183, 77)` looks like.

```
.text, #text, p{  
    color:rgb(90, 183, 77)  
}
```

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(90, 183, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 183, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 65.903, 137.158 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(90, 183, 77) }
```

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

```
.border{ border-color:rgb(90, 183, 77) }
```

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

Here you see how a box with a 4 pixel rgb(90, 183, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 183, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 183, 77);  
box-shadow:4px 4px 4px 4px rgb(90, 183,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 65.903, 137.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 183, 77) }
```

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

```
.background{ background-color: rgb(90, 183,  
77) }
```

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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