

Converting Colors

CIELCh(66, 66.107, 137.062)

Have a look what the booklet for
CIELCh(66, 66.107, 137.062)
contains.

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Color

CIELCh(66, 65.974, 137.086)

Conversions

Conversions Part 1	
Format	Color
Hex	57B44A
RGB	87, 180, 74
RGB Percent	34%, 71%, 29%
CMY	0.6574, 0.2928, 0.7085
CMYK	0.52, 0.00, 0.59, 0.29
HSL	113°, 42%, 50%
HSV	113°, 59%, 71%
XYZ	21.6016, 35.3238, 12.2146
YIQ	140.1090, -21.4020, -52.6820

Conversions

Conversions Part 2

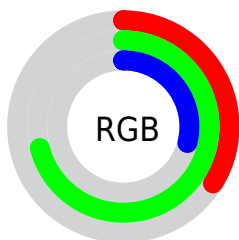
Format	Color
RYB	74, 180, 167
Decimal	5747786
CIELab	66.00, -48.32, 44.92
CIELCh	66, 65.974, 137.086
Yxy	35.3238, 0.3124, 0.5109
Android (android.graphics.Color)	4283937866 (0xFF57B44A)
YUV	140.1090, -32.5917, -46.5766
Hunter-Lab	59.4338, -39.1324, 29.4186

Details

The CIELCh color **66, 65.974, 137.086** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **48, 66.394, 323.561**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 66.139, 137.047**, and **46, 65.790, 137.114** is the 20% darker color. If you saturate the color by 10%, you get **65, 75.065, 136.325**, and if you desaturate by 10%, it is **67, 55.748, 137.900**.

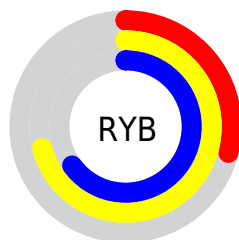
Distribution



Red (34%)

Green (71%)

Blue (29%)



Red (29%)

Yellow (71%)

Blue (65%)

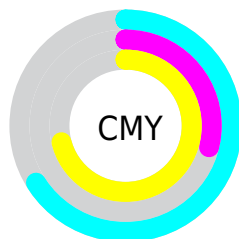


Cyan (52%)

Magenta (0%)

Yellow (59%)

Black (29%)



Cyan (66%)


Magenta (29%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 65.974, 137.086 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, 65.974, 137.086 by changing the saturation by 10% instead.

 66, 65.974,
137.086


 66, 65.974,
137.086


 100, 65.974,
137.086


 56, 65.974,
137.086


 86, 65.974,
137.086

 46, 65.974,
137.086

 96, 65.974,
137.086


 36, 65.974,
137.086


 26, 65.974,
137.086


 16, 65.974,
137.086


 6, 65.974, 137.086


 0, 65.974, 137.086


 66, 65.974,
137.086

 66, 65.974,
137.086


 65, 75.065,
136.325


 67, 55.748,
137.900


 65, 82.550,
135.726


 68, 44.778,
138.691


 64, 87.962,
135.418

 69, 33.374,
139.420


 64, 91.227,
135.401

 70, 21.768,
140.072


 64, 91.558,
135.384

 72, 10.136,
140.650

 74, 1.395, 320.967

 75, 12.734,
321.520

 77, 23.821,
321.885

 79, 34.618,
322.191

Harmonies

Complementary

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



66, 65.974, 137.086



48, 66.394, 323.561

Rectangle

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



66, 65.974, 137.086



66, 65.974, 187.086



66, 65.974, 317.086



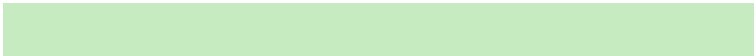
66, 65.974, 7.086

Sweetspot

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



66, 65.975, 137.087



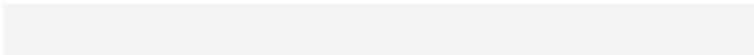
89, 25.819, 140.102



68, 48.870, 97.684



47, 17.939, 139.924



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 65.975, 137.087



83, 94.767, 136.095



66, 52.341, 151.031



37, 6.478, 140.621



55, 81.003, 135.296



7, 15.776, 141.857

Inverse Universe

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



48, 66.394, 323.561



57, 94.756, 323.821



48, 53.029, 342.429



35, 6.503, 321.479



33, 79.629, 323.561



2, 15.376, 319.406

Previews

White Background



This preview shows how the CIE LCh color 66, 65.974, 137.086 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, 65.974, 137.086 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, 65.974, 137.086

Background



This preview shows how black text looks on a background with the CIELCh color 66, 65.974, 137.086.



This preview shows how white text looks on a background with the CIELCh color 66, 65.974, 137.086.

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, 65.974, 137.086

Protanopia

66, 49.277, 95.985

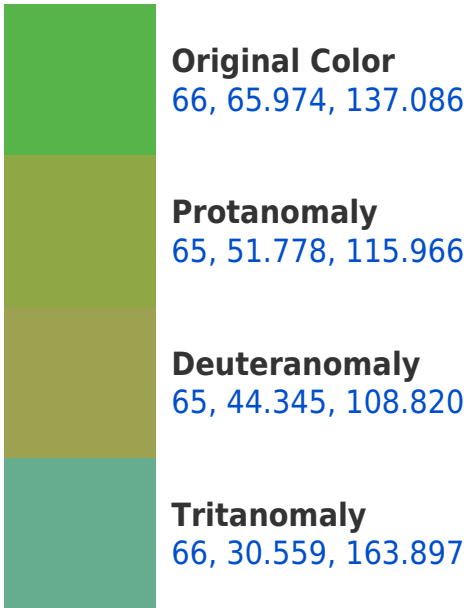
Deuteranopia

66, 43.460, 78.804



Tritanopia
66, 20.380, 220.545

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 65.974, 137.086 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(87, 180, 74)` looks like.

```
.text, #text, p{  
    color:rgb(87, 180, 74)  
}
```

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(87, 180, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 180, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 65.974, 137.086 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(87, 180, 74) }
```

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

```
.border{ border-color:rgb(87, 180, 74) }
```

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

Here you see how a box with a 4 pixel rgb(87, 180, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 180, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 180, 74);  
box-shadow:4px 4px 4px 4px rgb(87, 180,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 65.974, 137.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 180, 74) }
```

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

```
.background{ background-color: rgb(87, 180,  
74) }
```

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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