

Converting Colors

CIELCh(66, 48.065, 124.331)

Have a look what the booklet for
CIELCh(66, 48.065, 124.331)
contains.

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Color

CIELCh(66, 48.242, 124.223)

Conversions

Conversions Part 1

Format	Color
Hex	87AC56
RGB	135, 172, 86
RGB Percent	53%, 67%, 34%
CMY	0.4706, 0.3255, 0.6628
CMYK	0.22, 0.00, 0.50, 0.33
HSL	86°, 34%, 51%
HSV	86°, 50%, 67%
XYZ	26.4207, 35.3238, 14.2279
YIQ	151.1330, 5.5540, -34.5900

Conversions

Conversions Part 2

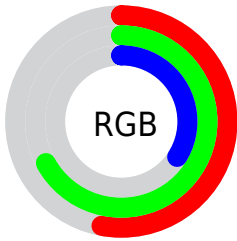
Format	Color
RYB	86, 172, 123
Decimal	8891478
CIELab	66.00, -27.13, 39.89
CIELCh	66, 48.242, 124.223
Yxy	35.3238, 0.3478, 0.4650
Android (android.graphics.Color)	4287081558 (0xFF87AC56)
YUV	151.1330, -32.1106, -14.1486
Hunter-Lab	59.4338, -24.6589, 27.4102

Details

The CIELCh color $66, 48.242, 124.223$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $44, 52.579, 309.433$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 48.314, 124.346$, and $46, 48.650, 124.153$ is the 20% darker color. If you saturate the color by 10%, you get $65, 56.909, 123.896$, and if you desaturate by 10%, it is $67, 39.012, 124.660$.

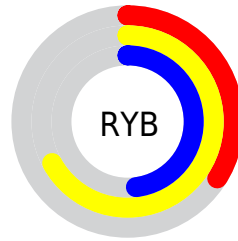
Distribution



Red (53%)

Green (67%)

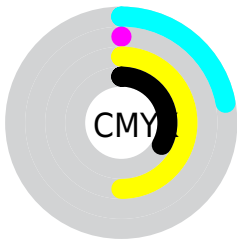
Blue (34%)



Red (34%)

Yellow (67%)

Blue (48%)

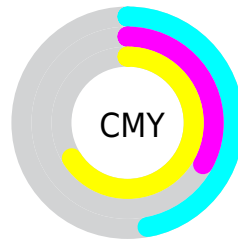


Cyan (22%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 48.242, 124.223 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, 48.242, 124.223 by changing the saturation by 10% instead.

 66, 48.242,
124.223

 66, 48.242,
124.223

 100, 48.242,
124.223

 56, 48.242,
124.223


 86, 48.242,
124.223

 46, 48.242,
124.223

 96, 48.242,
124.223

 36, 48.242,
124.223

 26, 48.242,
124.223

 16, 48.242,
124.223

 6, 48.242, 124.223

 0, 48.242, 124.223

66, 48.242,
124.223

66, 48.242,
124.223

65, 56.909,
123.896

67, 39.012,
124.660

65, 64.694,
123.758

68, 29.440,
125.146

64, 71.198,
123.922

68, 19.681,
125.646

64, 76.022,
124.507

69, 9.841, 126.138

63, 79.308,
125.461

70, 0.006, 293.431

71, 9.809, 307.023

73, 19.529,
307.430

74, 29.141,
307.800

■ 75, 38.624,
308.136

Harmonies

Complementary

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



66, 48.242, 124.223



44, 52.579, 309.433

Rectangle

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



66, 48.242, 124.223



66, 48.242, 174.223



66, 48.242, 304.223



66, 48.242, 354.223

Sweetspot

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



66, 48.243, 124.224



87, 18.330, 125.880



55, 31.315, 60.808



46, 12.489, 125.780



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, 48.243, 124.224



83, 70.487, 123.870



64, 55.524, 138.707



36, 5.606, 126.172



56, 71.760, 125.283



6, 12.115, 129.957

Inverse Universe

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



44, 52.579, 309.433



51, 78.588, 310.095



49, 55.716, 324.489



34, 5.692, 307.031



21, 85.276, 310.606



1, 11.709, 303.699

Previews

White Background



This preview shows how the CIELCh color 66, 48.242, 124.223 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, 48.242, 124.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

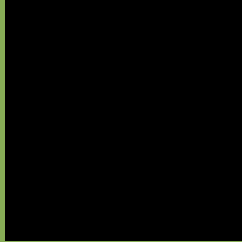
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 48.242, 124.223

Background



This preview shows how black text looks on a background with the CIELCh color 66, 48.242, 124.223.



This preview shows how white text looks on a background with the CIELCh color 66, 48.242, 124.223.

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](#).

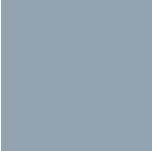
Dichromacy



Original Color
66, 48.242, 124.223

Protanopia
66, 42.639, 95.442

Deuteranopia
66, 39.184, 77.907



Tritanopia
66, 8.883, 253.589

Trichromacy



Original Color
66, 48.242, 124.223

Protanomaly
66, 43.240, 106.732

Deuteranomaly
66, 38.828, 97.557

Tritanomaly
66, 15.584, 143.626

Monochromacy



Original Color
66, 48.242, 124.223

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 18.603, 125.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 48.242, 124.223 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(135, 172, 86)` looks like.

```
.text, #text, p{  
    color:rgb(135, 172, 86)  
}
```

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(135, 172, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 172, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 48.242, 124.223 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(135, 172, 86) }
```

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

```
.border{ border-color:rgb(135, 172, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 172, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 172, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 172, 86);  
box-shadow:4px 4px 4px 4px rgb(135, 172,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 48.242, 124.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 172, 86) }
```

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

```
.background{ background-color: rgb(135,  
172, 86) }
```

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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