

Converting Colors

CIELCh(66, 40.203, 128.490)

Have a look what the booklet for
CIELCh(66, 40.203, 128.490)
contains.

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Color

CIELCh(66, 40.240, 128.480)

Conversions

Conversions Part 1

Format	Color
Hex	86AB66
RGB	134, 171, 102
RGB Percent	53%, 67%, 40%
CMY	0.4731, 0.3280, 0.5987
CMYK	0.22, 0.00, 0.40, 0.33
HSL	92°, 29%, 54%
HSV	92°, 40%, 67%
XYZ	26.9324, 35.3238, 18.0554
YIQ	152.0710, 0.0970, -29.3030

Conversions

Conversions Part 2

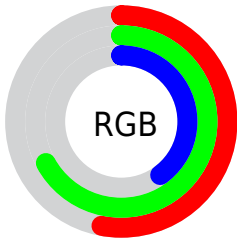
Format	Color
RYB	102, 171, 139
Decimal	8825702
CIELab	66.00, -25.04, 31.50
CIELCh	66, 40.240, 128.480
Yxy	35.3238, 0.3353, 0.4398
Android (android.graphics.Color)	4287015782 (0xFF86AB66)
YUV	152.0710, -24.6850, -15.8483
Hunter-Lab	59.4338, -23.1222, 23.5920

Details

The CIELCh color **66, 40.240, 128.480** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **50, 42.392, 312.216**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 39.949, 128.559**, and **46, 40.623, 128.229** is the 20% darker color. If you saturate the color by 10%, you get **65, 49.733, 128.044**, and if you desaturate by 10%, it is **67, 30.411, 128.956**.

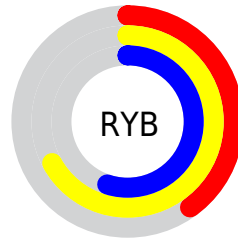
Distribution



Red (53%)

Green (67%)

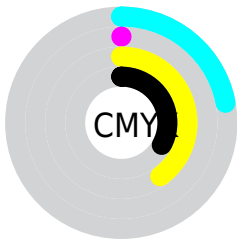
Blue (40%)



Red (40%)

Yellow (67%)

Blue (55%)

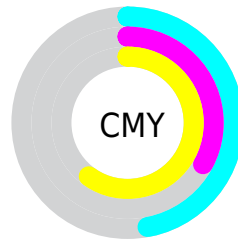


Cyan (22%)

Magenta (0%)

Yellow (40%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 40.240, 128.480 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, 40.240, 128.480 by changing the saturation by 10% instead.


 66, 40.240,
128.480


 66, 40.240,
128.480


 100, 40.240,
128.480


 56, 40.240,
128.480


 86, 40.240,
128.480

 46, 40.240,
128.480

 96, 40.240,
128.480

 36, 40.240,
128.480

 26, 40.240,
128.480

 16, 40.240,
128.480

 6, 40.240, 128.480

 0, 40.240, 128.480

66, 40.240,
128.480

66, 40.240,
128.480

65, 49.733,
128.044

67, 30.411,
128.956

64, 58.653,
127.701

68, 20.403,
129.434

64, 66.681,
127.540

69, 10.330,
129.896

63, 73.412,
127.677

70, 0.274, 130.734

63, 78.443,
128.232

71, 9.709, 310.690

62, 81.847,
129.101

73, 19.579,
311.049

74, 29.308,
311.369

75, 38.875,
311.652

■ 77, 47.497,
312.208

Harmonies

Complementary

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



66, 40.240, 128.480



50, 42.392, 312.216

Rectangle

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



66, 40.240, 128.480



66, 40.240, 178.480



66, 40.240, 308.480



66, 40.240, 358.480

Sweetspot

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



66, 40.241, 128.481



87, 14.882, 129.808



60, 25.290, 73.815



46, 9.953, 129.751



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, 40.241, 128.481



83, 58.678, 128.103



64, 45.259, 142.304



36, 5.741, 129.940



55, 74.245, 128.930



6, 12.397, 133.193

Inverse Universe

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



50, 42.392, 312.216



58, 62.574, 312.634



53, 45.169, 327.515



34, 5.813, 310.708



24, 83.394, 312.933



1, 11.906, 307.040

Previews

White Background



This preview shows how the CIELCh color 66, 40.240, 128.480 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, 40.240, 128.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

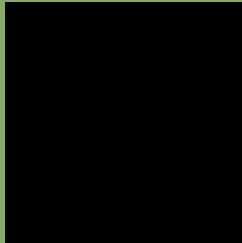
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 40.240, 128.480

Background



This preview shows how black text looks on a background with the CIELCh color 66, 40.240, 128.480.



This preview shows how white text looks on a background with the CIELCh color 66, 40.240, 128.480.

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](#).

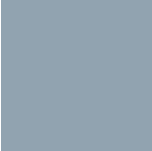
Dichromacy



Original Color
66, 40.240, 128.480

Protanopia
66, 34.393, 95.591

Deuteranopia
66, 30.860, 74.008



Tritanopia
66, 9.518, 248.444

Trichromacy



Original Color
66, 40.240, 128.480

Protanomaly
66, 34.674, 109.319

Deuteranomaly
66, 30.419, 97.994

Tritanomaly
66, 13.473, 154.031

Monochromacy



Original Color
66, 40.240, 128.480

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 14.817, 129.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 40.240, 128.480 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(134, 171, 102)` looks like.

```
.text, #text, p{  
    color:rgb(134, 171, 102)  
}
```

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(134, 171, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 171, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 40.240, 128.480 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(134, 171, 102) }
```

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

```
.border{ border-color:rgb(134, 171, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 171, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 171, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 171, 102);  
box-shadow:4px 4px 4px 4px rgb(134, 171,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 40.240, 128.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 171, 102) }
```

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

```
.background{ background-color: rgb(134,  
171, 102) }
```

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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