

Converting Colors

CIELCh(67, 46.212, 135.976)

Have a look what the booklet for
CIELCh(67, 46.212, 135.976)
contains.

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Color

CIELCh(67, 46.490, 135.744)

Conversions

Conversions Part 1

Format	Color
Hex	78B267
RGB	120, 178, 103
RGB Percent	47%, 70%, 40%
CMY	0.5308, 0.3034, 0.5974
CMYK	0.33, 0.00, 0.42, 0.30
HSL	106°, 33%, 55%
HSV	106°, 42%, 70%
XYZ	25.9727, 36.6320, 18.4433
YIQ	152.1080, -10.4930, -35.6210

Conversions

Conversions Part 2

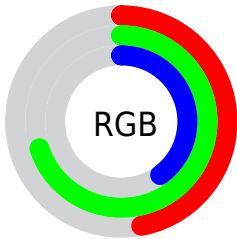
Format	Color
RYB	103, 178, 161
Decimal	7909991
CIELab	67.00, -33.30, 32.44
CIElCh	67, 46.490, 135.744
Yxy	36.6320, 0.3205, 0.4520
Android (android.graphics.Color)	4286100071 (0xFF78B267)
YUV	152.1080, -24.2102, -28.1587
Hunter-Lab	60.5244, -29.3184, 24.2999

Details

The CIELCh color **67, 46.490, 135.744** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **52, 47.474, 319.804**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.540, 135.836**, and **47, 46.608, 135.664** is the 20% darker color. If you saturate the color by 10%, you get **66, 56.863, 135.110**, and if you desaturate by 10%, it is **68, 35.667, 136.367**.

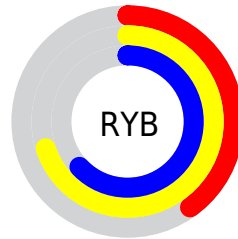
Distribution



Red (47%)

Green (70%)

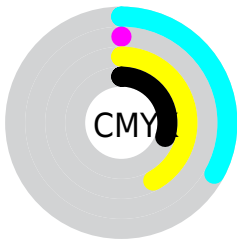
Blue (40%)



Red (40%)

Yellow (70%)

Blue (63%)

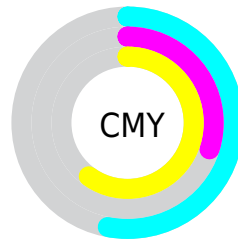


Cyan (33%)

Magenta (0%)

Yellow (42%)

Black (30%)



Cyan (53%)


Magenta (30%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.490, 135.744 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, 46.490, 135.744 by changing the saturation by 10% instead.


 67, 46.490,
135.744

 67, 46.490,
135.744

 100, 46.490,
135.744

 57, 46.490,
135.744


 87, 46.490,
135.744

 47, 46.490,
135.744

 97, 46.490,
135.744

 37, 46.490,
135.744

 27, 46.490,
135.744

 17, 46.490,
135.744

 7, 46.490, 135.744

 0, 46.490, 135.744

67, 46.490,
135.744

67, 46.490,
135.744

66, 56.863,
135.110

68, 35.667,
136.367

65, 66.483,
134.518

69, 24.613,
136.947

65, 74.960,
134.058

71, 13.491,
137.473

64, 81.830,
133.850

72, 2.420, 137.996

64, 86.672,
134.011

74, 8.517, 318.300

63, 89.234,
134.287

75, 19.261,
318.659

77, 29.773,
318.961

79, 40.030,
319.219

■ 81, 46.621,
321.653

Harmonies

Complementary

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



67, 46.490, 135.744



52, 47.474, 319.804

Rectangle

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



67, 46.490, 135.744



67, 46.490, 185.744



67, 46.490, 315.744



67, 46.490, 5.744

Sweetspot

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



67, 46.491, 135.745



90, 17.862, 137.422



66, 32.305, 93.235



48, 12.610, 137.310



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 46.491, 135.745



84, 69.060, 135.130



67, 41.212, 149.348



37, 6.275, 137.617



55, 79.807, 134.162



7, 15.396, 139.558

Inverse Universe

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



52, 47.474, 319.804



62, 70.723, 320.144



54, 41.517, 335.974



35, 6.313, 318.394



30, 80.714, 319.898



2, 14.794, 315.238

Previews

White Background



This preview shows how the CIELCh color 67, 46.490, 135.744 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 67, 46.490, 135.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

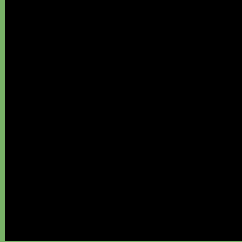
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 46.490, 135.744

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.490, 135.744.



This preview shows how white text looks on a background with the CIELCh color 67, 46.490, 135.744.

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, 46.490, 135.744

Protanopia

67, 35.958, 95.224

Deuteranopia

67, 31.505, 73.863



Tritanopia
67, 14.071, 232.144

Trichromacy



Original Color
67, 46.490, 135.744

Protanomaly
67, 37.401, 113.476

Deuteranomaly
66, 31.072, 102.931

Tritanomaly
67, 19.470, 165.134

Monochromacy



Original Color
67, 46.490, 135.744

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 17.158, 137.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.490, 135.744 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(120, 178, 103)` looks like.

```
.text, #text, p{  
    color:rgb(120, 178, 103)  
}
```

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(120, 178, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 178, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.490, 135.744 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(120, 178, 103) }
```

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

```
.border{ border-color:rgb(120, 178, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 178, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 178, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 178, 103);  
box-shadow:4px 4px 4px 4px rgb(120, 178,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.490, 135.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 178, 103) }
```

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

```
.background{ background-color: rgb(120,  
178, 103) }
```

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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