

Converting Colors

CIELCh(66, 45.980, 112.978)

Have a look what the booklet for
CIELCh(66, 45.980, 112.978)
contains.

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Color

CIELCh(66, 45.980, 112.978)

Conversions

Conversions Part 1

Format	Color
Hex	9AA852
RGB	154, 168, 82
RGB Percent	60%, 66%, 32%
CMY	0.3974, 0.3425, 0.6796
CMYK	0.08, 0.00, 0.51, 0.34
HSL	70°, 34%, 49%
HSV	70°, 51%, 66%
XYZ	28.7145, 35.3238, 13.2252
YIQ	154.0100, 19.2620, -29.7140

Conversions

Conversions Part 2

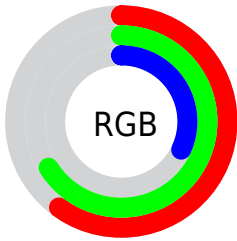
Format	Color
RYB	82, 168, 96
Decimal	10135634
CIELab	66.00, -17.95, 42.33
CIELCh	66, 45.980, 112.978
Yxy	35.3238, 0.3716, 0.4572
Android (android.graphics.Color)	4288325714 (0xFF9AA852)
YUV	154.0100, -35.5009, -0.0088
Hunter-Lab	59.4338, -17.7699, 28.4105

Details

The CIELCh color **66, 45.980, 112.978** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **40, 52.398, 301.783**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 45.718, 112.914**, and **46, 45.907, 112.867** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.803, 112.448**, and if you desaturate by 10%, it is **66, 37.536, 113.617**.

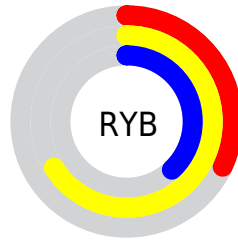
Distribution



Red (60%)

Green (66%)

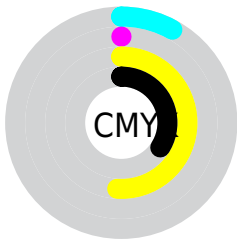
Blue (32%)



Red (32%)

Yellow (66%)

Blue (38%)

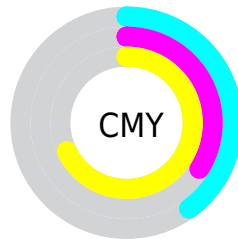


Cyan (8%)

Magenta (0%)

Yellow (51%)

Black (34%)



Cyan (40%)


Magenta (34%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 45.980, 112.978 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, 45.980, 112.978 by changing the saturation by 10% instead.


 66, 45.980,
112.978


 66, 45.980,
112.978


 100, 45.980,
112.978


 56, 45.980,
112.978


 86, 45.980,
112.978

 46, 45.980,
112.978

 96, 45.980,
112.978

 36, 45.980,
112.978

 26, 45.980,
112.978

 16, 45.980,
112.978

 6, 45.980, 112.978

 0, 45.980, 112.978

66, 45.980,
112.978

66, 45.980,
112.978

66, 53.803,
112.448

66, 37.536,
113.617

65, 60.674,
112.083

67, 28.702,
114.313

65, 66.185,
111.965

67, 19.634,
115.035

65, 69.951,
112.170

68, 10.436,
115.759

65, 72.048,
112.567

69, 1.178, 116.469

69, 8.093, 297.161

70, 17.345,
297.820

71, 26.552,
298.446

■ 72, 35.697,
299.036

Harmonies

Complementary

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



66, 45.980, 112.978



40, 52.398, 301.783

Rectangle

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



66, 45.980, 112.978



66, 45.980, 162.978



66, 45.980, 292.978



66, 45.980, 342.978

Sweetspot

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



66, 45.981, 112.980



85, 17.089, 115.471



48, 34.900, 35.727



46, 11.746, 115.324



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 45.981, 112.980



83, 66.762, 112.367



63, 51.438, 131.690



35, 5.253, 115.902



57, 65.683, 112.473



6, 9.681, 118.618

Inverse Universe

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



40, 52.398, 301.783



44, 79.320, 303.419



44, 53.832, 316.273



33, 5.362, 297.257



17, 88.045, 307.078



1, 9.615, 295.677

Previews

White Background



This preview shows how the CIELCh color 66, 45.980, 112.978 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, 45.980, 112.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

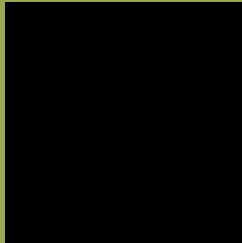
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 45.980, 112.978

Background



This preview shows how black text looks on a background with the CIELCh color 66, 45.980, 112.978.



This preview shows how white text looks on a background with the CIELCh color 66, 45.980, 112.978.

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, 45.980, 112.978

Protanopia

66, 44.101, 95.592

Deuteranopia

66, 41.778, 78.665



Tritanopia
66, 7.057, 309.361

Trichromacy



Original Color
66, 45.980, 112.978

Protanomaly
66, 44.334, 102.020

Deuteranomaly
66, 41.382, 91.498

Tritanomaly
66, 13.241, 112.239

Monochromacy



Original Color
66, 45.980, 112.978

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 17.236, 115.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 45.980, 112.978 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(154, 168, 82)` looks like.

```
.text, #text, p{  
    color:rgb(154, 168, 82)  
}
```

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(154, 168, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 168, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 45.980, 112.978 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(154, 168, 82) }
```

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

```
.border{ border-color:rgb(154, 168, 82) }
```

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

Here you see how a box with a 4 pixel rgb(154, 168, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 168, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 168, 82);  
box-shadow:4px 4px 4px 4px rgb(154, 168,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 45.980, 112.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 168, 82) }
```

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

```
.background{ background-color: rgb(154,  
168, 82) }
```

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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