

Converting Colors

CIELCh(67, 45.708, 112.659)

Have a look what the booklet for
CIELCh(67, 45.708, 112.659)
contains.

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Color

CIELCh(67, 45.383, 112.602)

Conversions

Conversions Part 1

Format	Color
Hex	9DAA55
RGB	157, 170, 85
RGB Percent	62%, 67%, 33%
CMY	0.3838, 0.3329, 0.6662
CMYK	0.08, 0.00, 0.50, 0.33
HSL	69°, 33%, 50%
HSV	69°, 50%, 67%
XYZ	29.9694, 36.6320, 14.1088
YIQ	156.4230, 19.5370, -29.1910

Conversions

Conversions Part 2

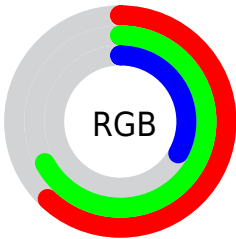
Format	Color
RYB	85, 170, 98
Decimal	10332757
CIELab	67.00, -17.44, 41.90
CIELCh	67, 45.383, 112.602
Yxy	36.6320, 0.3713, 0.4539
Android (android.graphics.Color)	4288522837 (0xFF9DAA55)
YUV	156.4230, -35.2115, 0.5060
Hunter-Lab	60.5244, -17.5311, 28.5460

Details

The CIELCh color $67, 45.383, 112.602$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $41, 51.555, 301.340$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 45.126, 112.542$, and $47, 45.449, 112.449$ is the 20% darker color. If you saturate the color by 10%, you get $67, 53.381, 112.041$, and if you desaturate by 10%, it is $67, 36.790, 113.265$.

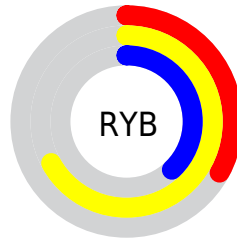
Distribution



Red (62%)

Green (67%)

Blue (33%)



Red (33%)

Yellow (67%)

Blue (38%)

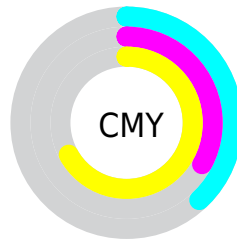


Cyan (8%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (38%)


Magenta (33%)

Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 45.383, 112.602 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, 45.383, 112.602 by changing the saturation by 10% instead.

 67, 45.383,
112.602


 67, 45.383,
112.602

 100, 45.383,
112.602

 57, 45.383,
112.602

 87, 45.383,
112.602

 47, 45.383,
112.602

 97, 45.383,
112.602

 37, 45.383,
112.602

 27, 45.383,
112.602

 17, 45.383,
112.602

 7, 45.383, 112.602

 0, 45.383, 112.602

■ 67, 45.383,
112.602

■ 67, 45.383,
112.602

■ 67, 53.381,
112.041

■ 67, 36.790,
113.265

■ 66, 60.459,
111.634

■ 68, 27.823,
113.979

■ 66, 66.209,
111.459

■ 68, 18.636,
114.715

■ 66, 70.229,
111.593

■ 69, 9.327, 115.452

■ 66, 72.678,
112.009

■ 70, 0.038, 296.322

■ 66, 72.685,
112.010

■ 70, 9.411, 296.875

■ 71, 18.762,
297.544

■ 72, 28.067,
298.178

■ 73, 37.308,
298.777

Harmonies

Complementary

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



67, 45.383, 112.602



41, 51.555, 301.340

Rectangle

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



67, 45.383, 112.602



67, 45.383, 162.602



67, 45.383, 292.602



67, 45.383, 342.602

Sweetspot

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



67, 45.384, 112.604



87, 17.399, 115.062



49, 34.251, 35.613



47, 11.959, 114.911



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 45.384, 112.604



85, 66.099, 111.986



64, 50.800, 131.749



35, 5.248, 115.502



58, 65.557, 111.911



6, 9.668, 118.143

Inverse Universe

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



41, 51.555, 301.340



46, 78.084, 302.914



46, 53.111, 316.228



33, 5.358, 296.883



17, 88.141, 307.006



1, 9.609, 295.342

Previews

White Background



This preview shows how the CIELCh color 67, 45.383, 112.602 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, 45.383, 112.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

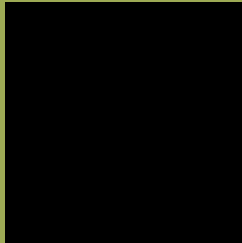
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 45.383, 112.602

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.383, 112.602.



This preview shows how white text looks on a background with the CIELCh color 67, 45.383, 112.602.

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, 45.383, 112.602

Protanopia
67, 43.520, 95.644

Deuteranopia
67, 41.445, 77.962



Tritanopia
67, 7.687, 310.703

Trichromacy



Original Color
67, 45.383, 112.602

Protanomaly
67, 43.760, 102.119

Deuteranomaly
67, 40.451, 90.748

Tritanomaly
67, 12.643, 110.655

Monochromacy



Original Color
67, 45.383, 112.602

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.178, 115.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.383, 112.602 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(157, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(157, 170, 85)  
}
```

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(157, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 170, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.383, 112.602 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(157, 170, 85) }
```

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

```
.border{ border-color:rgb(157, 170, 85) }
```

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

Here you see how a box with a 4 pixel rgb(157, 170, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(157, 170,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.383, 112.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 170, 85) }
```

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

```
.background{ background-color: rgb(157,  
170, 85) }
```

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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