

Converting Colors

CIELCh(45, 12.091, 111.873)

Have a look what the booklet for
CIELCh(45, 12.091, 111.873)
contains.

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Color

CIELCh(45, 11.874, 112.686)

Conversions

Conversions Part 1

Format	Color
Hex	6A6C58
RGB	106, 108, 88
RGB Percent	42%, 42%, 35%
CMY	0.5837, 0.5758, 0.6543
CMYK	0.02, 0.00, 0.18, 0.58
HSL	66°, 10%, 38%
HSV	66°, 18%, 42%
XYZ	13.1118, 14.5417, 11.3831
YIQ	105.1220, 5.2280, -6.6440

Conversions

Conversions Part 2

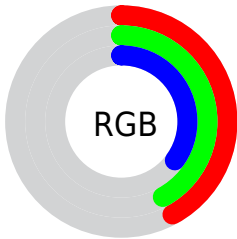
Format	Color
RYB	88, 108, 90
Decimal	6974552
CIELab	45.00, -4.58, 10.96
CIElCh	45, 11.874, 112.686
Yxy	14.5417, 0.3359, 0.3725
Android (android.graphics.Color)	4285164632 (0xFF6A6C58)
YUV	105.1220, -8.4411, 0.7700
Hunter-Lab	38.1336, -5.3588, 8.9952

Details

The CIELCh color **45, 11.874, 112.686** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 12.353, 295.711**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 11.638, 112.863**, and **25, 11.743, 112.496** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.213, 111.917**, and if you desaturate by 10%, it is **45, 5.466, 113.461**.

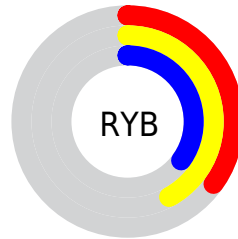
Distribution



Red (42%)

Green (42%)

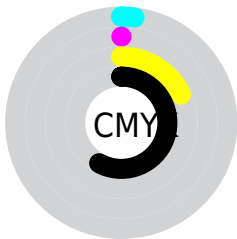
Blue (35%)



Red (35%)

Yellow (42%)

Blue (35%)

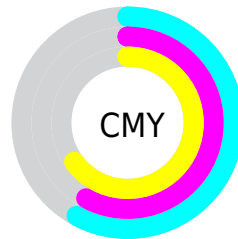


Cyan (2%)

Magenta (0%)

Yellow (18%)

Black (58%)



Cyan (58%)


Magenta (58%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 11.874, 112.686 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 45, 11.874, 112.686 by changing the saturation by 10% instead.


 45, 11.874,
112.686


 45, 11.874,
112.686


 100, 11.874,
112.686


 35, 11.874,
112.686

 65, 11.874,
112.686


 25, 11.874,
112.686

 75, 11.874,
112.686

 15, 11.874,
112.686

 85, 11.874,
112.686

 5, 11.874, 112.686

 95, 11.874,
112.686

 0, 11.874, 112.686

 45, 11.874,

 45, 11.874,

112.686

■ 45, 18.213,
111.917

■ 44, 24.424,
111.157

■ 44, 30.421,
110.435

■ 44, 36.079,
109.781

■ 44, 41.216,
109.236

■ 44, 45.588,
108.855

■ 43, 48.925,
108.693

■ 43, 51.480,
108.688

112.686

■ 45, 5.466, 113.461

■ 46, 0.975, 294.240

■ 46, 7.423, 294.962

■ 47, 13.857,
295.668

■ 47, 20.265,
296.344

■ 48, 26.635,
296.986

■ 48, 32.960,
297.592

■ 49, 39.232,
298.163

■ 49, 45.447,

■ 43, 51.880,
108.681

298.698

Harmonies

Complementary

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



45, 11.874, 112.686



38, 12.353, 295.711

Rectangle

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



45, 11.874, 112.686



45, 11.874, 162.686



45, 11.874, 292.686



45, 11.874, 342.686

Sweetspot

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



45, 11.875, 112.691



58, 4.776, 113.639



40, 7.987, 29.115



30, 3.193, 113.605



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 11.875, 112.691



57, 17.452, 112.373



44, 12.980, 131.728



22, 3.585, 113.427



47, 54.965, 108.732



92, 94.654, 109.070

Inverse Universe

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



38, 12.353, 295.711



47, 18.325, 296.127



39, 13.222, 313.226



20, 3.657, 294.833



12, 74.782, 306.797



31, 129.187, 306.550

Previews

White Background



This preview shows how the CIELCh color 45, 11.874, 112.686 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 45, 11.874, 112.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

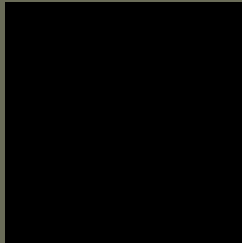
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.874, 112.686

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.874, 112.686.



This preview shows how white text looks on a background with the CIELCh color 45, 11.874, 112.686.

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

45, 11.874, 112.686

Protanopia

45, 11.690, 93.247

Deuteranopia

45, 12.199, 59.228



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color
45, 11.874, 112.686

Protanomaly
45, 11.974, 100.039

Deuteranomaly
45, 10.635, 76.275

Tritanomaly
45, 1.711, 63.291

Monochromacy



Original Color
45, 11.874, 112.686

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 4.190, 115.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.874, 112.686 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(106, 108, 88)` looks like.

```
.text, #text, p{  
    color:rgb(106, 108, 88)  
}
```

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(106, 108, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 108, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.874, 112.686 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(106, 108, 88) }
```

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

```
.border{ border-color:rgb(106, 108, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 108, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 108, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 108, 88);  
box-shadow:4px 4px 4px 4px rgb(106, 108,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.874, 112.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 108, 88) }
```

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

```
.background{ background-color: rgb(106,  
108, 88) }
```

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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