

Converting Colors

CIELCh(45, 14.077, 120.222)

Have a look what the booklet for
CIELCh(45, 14.077, 120.222)
contains.

CIELCh(45, 13.853, 119.098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 13.853, 119.098)

Conversions

Conversions Part 1

Format	Color
Hex	676D56
RGB	103, 109, 86
RGB Percent	40%, 43%, 34%
CMY	0.5954, 0.5719, 0.6621
CMYK	0.05, 0.00, 0.21, 0.57
HSL	76°, 12%, 38%
HSV	76°, 21%, 43%
XYZ	12.7861, 14.5417, 10.9716
YIQ	104.5840, 3.8070, -8.4250

Conversions

Conversions Part 2

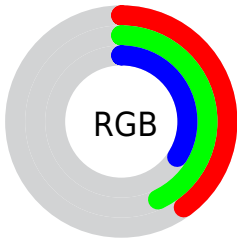
Format	Color
R_{YB}	86, 109, 92
Decimal	6778198
CIE Lab	45.00, -6.74, 12.10
CIE LCh	45, 13.853, 119.098
Yxy	14.5417, 0.3338, 0.3797
Android (android.graphics.Color)	4284968278 (0xFF676D56)
YUV	104.5840, -9.1619, -1.3892
Hunter-Lab	38.1336, -6.8834, 9.6350

Details

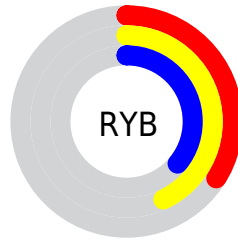
The CIELCh color **45, 13.853, 119.098** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 14.423, 301.689**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.483, 118.995**, and **25, 13.922, 119.516** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.341, 118.511**, and if you desaturate by 10%, it is **46, 7.293, 119.692**.

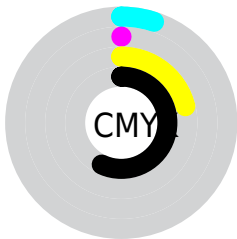
Distribution



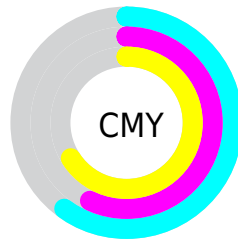
- Red (40%)
- Green (43%)
- Blue (34%)



- Red (34%)
- Yellow (43%)
- Blue (36%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (57%)





- Cyan (60%)
- Magenta (57%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.853, 119.098 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, 13.853, 119.098 by changing the saturation by 10% instead.


 45, 13.853,
119.098


 45, 13.853,
119.098


 100, 13.853,
119.098


 35, 13.853,
119.098

 65, 13.853,
119.098


 25, 13.853,
119.098

 75, 13.853,
119.098

 15, 13.853,
119.098

 85, 13.853,
119.098

 5, 13.853, 119.098

 95, 13.853,
119.098

 0, 13.853, 119.098

 45, 13.853,

 45, 13.853,

119.098

119.098

■ 45, 20.341,
118.511

■ 46, 7.293, 119.692

■ 44, 26.689,
117.940

■ 46, 0.703, 120.295

■ 47, 5.886, 300.813

■ 44, 32.805,
117.419

■ 47, 12.451,
301.339

■ 43, 38.552,
116.992

■ 48, 18.975,
301.834

■ 43, 43.734,
116.719

■ 49, 25.447,
302.298

■ 43, 48.102,
116.682

■ 49, 31.855,
302.729

■ 43, 51.391,
116.970

■ 50, 38.193,
303.130

■ 42, 53.914,
117.309

■ 51, 44.457,

Harmonies

Complementary

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



45, 13.853, 119.098



38, 14.423, 301.689

Rectangle

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



45, 13.853, 119.098



45, 13.853, 169.098



45, 13.853, 299.098



45, 13.853, 349.098

Sweetspot

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



45, 13.854, 119.101



59, 4.923, 119.979



41, 8.410, 44.612



30, 3.243, 119.953



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, 13.854, 119.101



58, 20.450, 118.828



44, 15.566, 136.361



22, 3.642, 119.817



45, 56.771, 117.412



89, 98.097, 118.169

Inverse Universe

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



38, 14.423, 301.689



47, 21.494, 302.039



39, 15.757, 318.147



20, 3.708, 300.855



13, 73.293, 308.195



33, 126.956, 307.713

Previews

White Background



This preview shows how the CIELCh color 45, 13.853, 119.098 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 CIELCh color 45, 13.853, 119.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

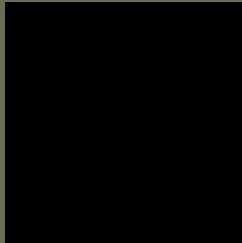
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

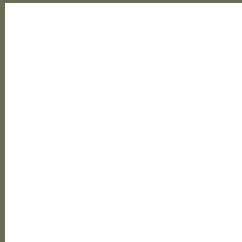
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.853, 119.098

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.853, 119.098.



This preview shows how white text looks on a background with the CIELCh color 45, 13.853, 119.098.

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, 13.853, 119.098

Protanopia

45, 12.837, 94.391

Deuteranopia

45, 12.615, 61.142



Tritanopia
45, 5.452, 299.350

Trichromacy



Original Color
45, 13.853, 119.098

Protanomaly
45, 13.054, 104.435

Deuteranomaly
45, 11.769, 84.189

Tritanomaly
45, 1.832, 122.929

Monochromacy



Original Color
45, 13.853, 119.098

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.508, 122.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.853, 119.098 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(103, 109, 86)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 86)  
}
```

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(103, 109, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.853, 119.098 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(103, 109, 86) }
```

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

```
.border{ border-color:rgb(103, 109, 86) }
```

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

Here you see how a box with a 4 pixel rgb(103, 109, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 86);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.853, 119.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 86) }
```

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

```
.background{ background-color: rgb(103,  
109, 86) }
```

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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