

Converting Colors

CIELCh(45, 10.639, 181.882)

Have a look what the booklet for
CIELCh(45, 10.639, 181.882)
contains.

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Color

CIELCh(45, 10.649, 181.871)

Conversions

Conversions Part 1

Format	Color
Hex	56706B
RGB	86, 112, 107
RGB Percent	34%, 44%, 42%
CMY	0.6639, 0.5620, 0.5816
CMYK	0.23, 0.00, 0.04, 0.56
HSL	168°, 13%, 39%
HSV	168°, 23%, 44%
XYZ	12.2100, 14.5417, 15.9910
YIQ	103.6560, -13.8910, -7.0670

Conversions

Conversions Part 2

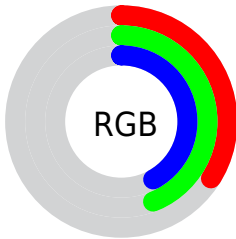
Format	Color
R_{YB}	86, 100, 112
Decimal	5664875
CIE _{Lab}	45.00, -10.64, -0.35
CIE _{LCh}	45, 10.649, 181.871
Y _{xy}	14.5417, 0.2857, 0.3402
Android (android.graphics.Color)	4283854955 (0xFF56706B)
YUV	103.6560, 1.6486, -15.4843
Hunter-Lab	38.1336, -9.5797, 1.8308

Details

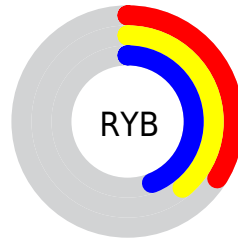
The CIELCh color $45, 10.649, 181.871$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 11.672, 6.096$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.929, 180.673$, and $25, 10.392, 182.888$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.898, 180.925$, and if you desaturate by 10%, it is $46, 6.174, 182.776$.

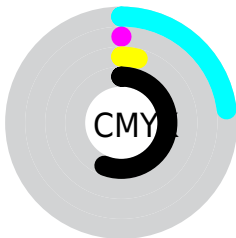
Distribution



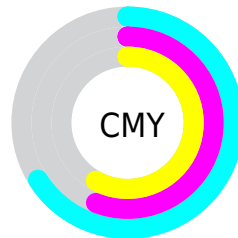
- Red (34%)
- Green (44%)
- Blue (42%)



- Red (34%)
- Yellow (39%)
- Blue (44%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)





- Cyan (66%)
- Magenta (56%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.649, 181.871 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, 10.649, 181.871 by changing the saturation by 10% instead.


 45, 10.649,
181.871


 45, 10.649,
181.871


 100, 10.649,
181.871


 35, 10.649,
181.871

 65, 10.649,
181.871


 25, 10.649,
181.871

 75, 10.649,
181.871

 15, 10.649,
181.871


 85, 10.649,
181.871

 5, 10.649, 181.871

 95, 10.649,
181.871

 0, 10.649, 181.871

 45, 10.649,

 45, 10.649,

181.871

181.871

■ 44, 14.898,
180.925

■ 46, 6.174, 182.776

■ 44, 18.849,
179.928

■ 47, 1.538, 183.786

■ 43, 22.432,
178.861

■ 48, 3.201, 4.277

■ 43, 25.582,
177.705

■ 50, 12.799, 5.900

■ 42, 28.251,
176.441

■ 51, 17.587, 6.643

■ 42, 30.415,
175.050

■ 54, 27.021, 8.058

■ 42, 32.093,
173.521

■ 56, 31.638, 8.733

■ 42, 33.142,
172.516

Harmonies

Complementary

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



45, 10.649, 181.871



39, 11.672, 6.096

Rectangle

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



45, 10.649, 181.871



45, 10.649, 231.871



45, 10.649, 1.871



45, 10.649, 51.871

Sweetspot

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



45, 10.650, 181.867



59, 4.073, 183.340



45, 17.790, 137.709



31, 2.666, 183.303



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 10.650, 181.867



57, 15.726, 181.357



43, 8.263, 233.545



23, 2.641, 183.166



45, 34.912, 172.368



87, 60.429, 171.272

Inverse Universe

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



39, 11.672, 6.096



49, 17.644, 6.779



41, 9.391, 50.169



22, 2.734, 4.552



24, 52.425, 27.752



52, 92.163, 31.083

Previews

White Background



This preview shows how the CIELCh color 45, 10.649, 181.871 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, 10.649, 181.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

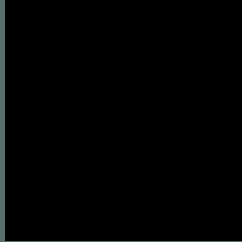
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 10.649, 181.871

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.649, 181.871.



This preview shows how white text looks on a background with the CIELCh color 45, 10.649, 181.871.

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, 10.649, 181.871

Protanopia
45, 2.166, 74.682

Deuteranopia
45, 6.122, 344.437



Tritanopia
45, 9.670, 232.560

Trichromacy



Original Color
45, 10.649, 181.871

Protanomaly
45, 3.749, 159.586

Deuteranomaly
45, 1.436, 256.013

Tritanomaly
45, 9.334, 213.337

Monochromacy



Original Color
45, 10.649, 181.871

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.861, 180.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.649, 181.871 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(86, 112, 107)` looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 107)  
}
```

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(86, 112, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.649, 181.871 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(86, 112, 107) }
```

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

```
.border{ border-color:rgb(86, 112, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 112, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 107);  
box-shadow:4px 4px 4px 4px rgb(86, 112,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.649, 181.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 107) }
```

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

```
.background{ background-color: rgb(86, 112,  
107) }
```

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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