

Converting Colors

CIELCh(45, 15.495, 300.889)

Have a look what the booklet for
CIELCh(45, 15.495, 300.889)
contains.

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Color

CIELCh(45, 15.757, 300.577)

Conversions

Conversions Part 1

Format	Color
Hex	6D6781
RGB	109, 103, 129
RGB Percent	43%, 40%, 51%
CMY	0.5725, 0.5960, 0.4940
CMYK	0.16, 0.20, 0.00, 0.49
HSL	254°, 11%, 45%
HSV	254°, 20%, 51%
XYZ	15.1244, 14.5417, 22.7847
YIQ	107.7580, -4.7700, 9.3580

Conversions

Conversions Part 2

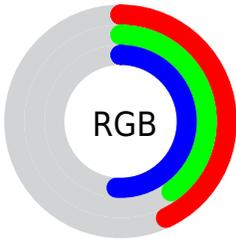
Format	Color
R_{YB}	109, 103, 129
Decimal	7169921
CIE Lab	45.00, 8.02, -13.57
CIE LCh	45, 15.757, 300.577
Yxy	14.5417, 0.2884, 0.2772
Android (android.graphics.Color)	4285360001 (0xFF6D6781)
YUV	107.7580, 10.4723, 1.0892
Hunter-Lab	38.1336, 4.0624, -8.7320

Details

The CIELCh color $45, 15.757, 300.577$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 15.133, 117.922$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 15.841, 300.939$, and $25, 16.024, 300.492$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.001, 301.421$, and if you desaturate by 10%, it is $49, 7.797, 299.831$.

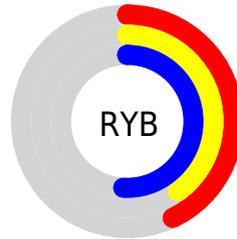
Distribution



Red (43%)

Green (40%)

Blue (51%)



Red (43%)

Yellow (40%)

Blue (51%)

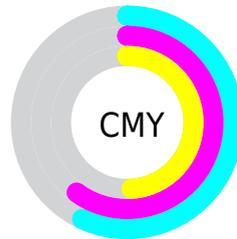


Cyan (16%)

Magenta (20%)

Yellow (0%)

Black (49%)



Cyan (57%)

Magenta (60%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 15.757, 300.577 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, 15.757, 300.577 by changing the saturation by 10% instead.

 45, 15.757,
300.577

 45, 15.757,
300.577

 100, 15.757,
300.577

 35, 15.757,
300.577

 65, 15.757,
300.577

 25, 15.757,
300.577

 75, 15.757,
300.577

 15, 15.757,
300.577

 85, 15.757,
300.577

 5, 15.757, 300.577

 95, 15.757,
300.577

 0, 15.757, 300.577

 45, 15.757,

 45, 15.757,

300.577

300.577

■ 41, 24.001,
301.421

■ 49, 7.797, 299.831

■ 36, 32.521,
302.370

■ 54, 0.121, 299.046

■ 58, 7.285, 118.622

■ 32, 41.266,
303.410

■ 63, 14.436,
118.132

■ 27, 50.116,
304.512

■ 67, 21.346,
117.709

■ 23, 58.812,
305.607

■ 71, 28.031,
117.343

■ 20, 66.871,
306.576

■ 76, 34.505,
117.028

■ 17, 73.534,
307.247

■ 80, 40.781,
116.756

■ 15, 78.933,
307.773

■ 84, 46.871,

Harmonies

Complementary

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



45, 15.757, 300.577



53, 15.133, 117.922

Rectangle

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



45, 15.757, 300.577



45, 15.757, 350.577



45, 15.757, 120.577



45, 15.757, 170.577

Sweetspot

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



45, 15.756, 300.576



66, 5.689, 299.558



50, 8.245, 222.335



34, 3.759, 299.592



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

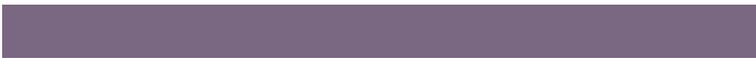
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 15.756, 300.576



56, 23.505, 300.936



46, 17.132, 317.078



25, 4.280, 299.757



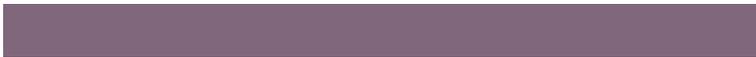
14, 78.252, 307.783



0, 0.000, 0.000

Inverse Universe

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



47, 15.773, 332.876



58, 23.367, 333.170



52, 16.900, 135.376



25, 4.344, 332.151



28, 58.178, 339.633



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 15.757, 300.577 looks on a white background.

Color Contrast Check

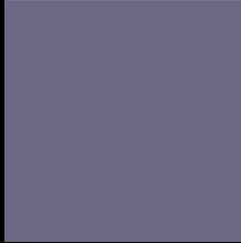
Large Text (above 18pt) WCAG AA ✓ Pass

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, 15.757, 300.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

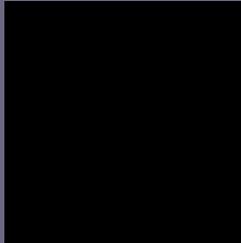
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

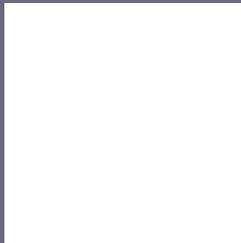
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 15.757, 300.577

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.757, 300.577.



This preview shows how white text looks on a background with the CIELCh color 45, 15.757, 300.577.

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, 15.757, 300.577

Protanopia

45, 15.563, 286.912

Deuteranopia

45, 14.979, 295.116



Tritanopia
45, 4.777, 290.856

Trichromacy



Original Color
45, 15.757, 300.577

Protanomaly
45, 15.546, 292.336

Deuteranomaly
45, 15.007, 296.550

Tritanomaly
45, 8.415, 296.683

Monochromacy



Original Color
45, 15.757, 300.577

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 6.033, 298.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.757, 300.577 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(109, 103, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 103, 129)  
}
```

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(109, 103, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 103, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.757, 300.577 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(109, 103, 129) }
```

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

```
.border{ border-color:rgb(109, 103, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 103, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 103, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 103, 129);  
box-shadow:4px 4px 4px 4px rgb(109, 103,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.757, 300.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 103, 129) }
```

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

```
.background{ background-color: rgb(109,  
103, 129) }
```

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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