

Converting Colors

CIELCh(45, 16.261, 283.427)

Have a look what the booklet for
CIELCh(45, 16.261, 283.427)
contains.

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Color

CIELCh(45, 16.235, 283.399)

Conversions

Conversions Part 1

Format	Color
Hex	636A85
RGB	99, 106, 133
RGB Percent	39%, 42%, 52%
CMY	0.6133, 0.5858, 0.4800
CMYK	0.26, 0.20, 0.00, 0.48
HSL	228°, 15%, 45%
HSV	228°, 26%, 52%
XYZ	14.4233, 14.5417, 24.0910
YIQ	106.9850, -12.8390, 6.9130

Conversions

Conversions Part 2

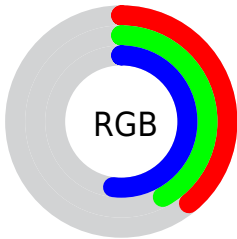
Format	Color
R_{YB}	99, 105, 133
Decimal	6515333
CIE _{Lab}	45.00, 3.76, -15.79
CIE _{LCh}	45, 16.235, 283.399
Yxy	14.5417, 0.2719, 0.2741
Android (android.graphics.Color)	4284705413 (0xFF636A85)
YUV	106.9850, 12.8254, -7.0028
Hunter-Lab	38.1336, 0.7803, -10.7631

Details

The CIELCh color $45, 16.235, 283.399$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 15.809, 97.152$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.249, 283.211$, and $25, 15.973, 282.614$ is the 20% darker color. If you saturate the color by 10%, you get $41, 22.901, 285.097$, and if you desaturate by 10%, it is $49, 9.763, 281.938$.

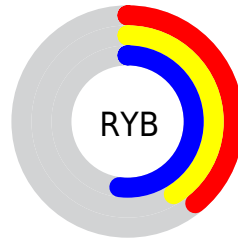
Distribution



Red (39%)

Green (42%)

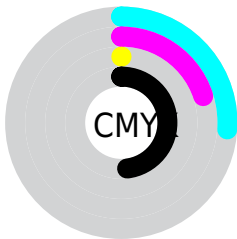
Blue (52%)



Red (39%)

Yellow (41%)

Blue (52%)

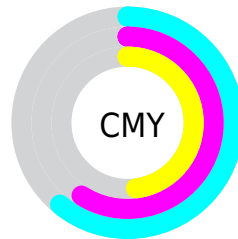


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (48%)



Cyan (61%)


Magenta (59%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.235, 283.399 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, 16.235, 283.399 by changing the saturation by 10% instead.


 45, 16.235,
283.399


 45, 16.235,
283.399


 100, 16.235,
283.399


 35, 16.235,
283.399

 65, 16.235,
283.399


 25, 16.235,
283.399

 75, 16.235,
283.399

 15, 16.235,
283.399


 85, 16.235,
283.399

 5, 16.235, 283.399

 95, 16.235,
283.399

 0, 16.235, 283.399

 45, 16.235,

 45, 16.235,

283.399

283.399

■ 41, 22.901,
285.097

■ 49, 9.763, 281.938

■ 37, 29.783,
287.070

■ 53, 3.473, 280.701

■ 33, 36.899,
289.337

■ 57, 2.648, 99.534

■ 29, 44.255,
291.897

■ 61, 8.610, 98.621

■ 25, 51.815,
294.699

■ 65, 14.421, 97.803

■ 22, 59.432,
297.622

■ 69, 20.086, 97.083

■ 19, 66.773,
300.437

■ 73, 25.612, 96.447

■ 18, 69.796,
301.481

■ 77, 31.004, 95.882

■ 81, 36.268, 95.378

Harmonies

Complementary

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



45, 16.235, 283.399



53, 15.809, 97.152

Rectangle

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



45, 16.235, 283.399



45, 16.235, 333.399



45, 16.235, 103.399



45, 16.235, 153.399

Sweetspot

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



45, 16.234, 283.397



67, 6.162, 280.994



53, 13.614, 179.700



34, 4.368, 281.154



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 16.234, 283.397



55, 24.664, 284.401



44, 20.801, 302.851



26, 3.493, 281.107



17, 68.705, 301.427



0, 0.827, 280.037

Inverse Universe

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



45, 14.945, 5.403



56, 22.790, 6.221



54, 19.796, 119.704



26, 3.162, 3.538



26, 55.356, 27.200



0, 0.741, 2.785

Previews

White Background



This preview shows how the CIELCh color 45, 16.235, 283.399 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, 16.235, 283.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

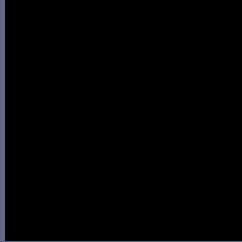
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

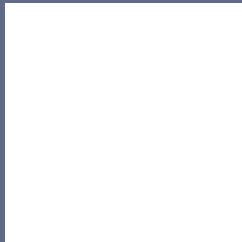
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 16.235, 283.399

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.235, 283.399.



This preview shows how white text looks on a background with the CIELCh color 45, 16.235, 283.399.

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

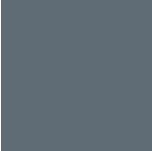
45, 16.235, 283.399

Protanopia

45, 16.183, 285.938

Deuteranopia

45, 17.331, 291.366



Tritanopia
45, 7.229, 247.244

Trichromacy



Original Color
45, 16.235, 283.399

Protanomaly
45, 16.219, 284.676

Deuteranomaly
45, 16.746, 287.496

Tritanomaly
45, 10.294, 267.843

Monochromacy



Original Color
45, 16.235, 283.399

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.008, 283.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.235, 283.399 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(99, 106, 133)` looks like.

```
.text, #text, p{  
    color:rgb(99, 106, 133)  
}
```

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(99, 106, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 106, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.235, 283.399 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(99, 106, 133) }
```

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

```
.border{ border-color:rgb(99, 106, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 106, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 106, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 106, 133);  
box-shadow:4px 4px 4px 4px rgb(99, 106,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.235, 283.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 106, 133) }
```

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

```
.background{ background-color: rgb(99, 106,  
133) }
```

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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