

Converting Colors

CIELCh(45, 15.828, 292.560)

Have a look what the booklet for
CIELCh(45, 15.828, 292.560)
contains.

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Color

CIELCh(45, 16.142, 292.415)

Conversions

Conversions Part 1

Format	Color
Hex	686883
RGB	104, 104, 131
RGB Percent	41%, 41%, 51%
CMY	0.5913, 0.5913, 0.4854
CMYK	0.21, 0.21, 0.00, 0.49
HSL	240°, 11%, 46%
HSV	240°, 21%, 51%
XYZ	14.8150, 14.5417, 23.5745
YIQ	107.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

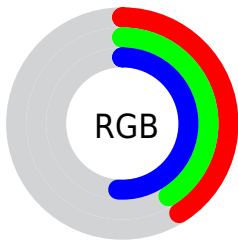
Format	Color
R_{YB}	104, 104, 131
Decimal	6842499
CIE _{Lab}	45.00, 6.16, -14.92
CIE _{LCh}	45, 16.142, 292.415
Y _{xy}	14.5417, 0.2799, 0.2747
Android (android.graphics.Color)	4285032579 (0xFF686883)
Y _{UV}	107.0780, 11.7935, -2.6994
Hunter-Lab	38.1336, 2.6141, -9.9601

Details

The CIELCh color $45, 16.142, 292.415$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 15.419, 108.264$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.150, 291.875$, and $25, 16.502, 292.208$ is the 20% darker color. If you saturate the color by 10%, you get $40, 24.475, 293.789$, and if you desaturate by 10%, it is $50, 8.139, 291.241$.

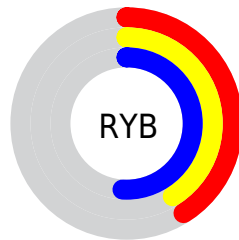
Distribution



Red (41%)

Green (41%)

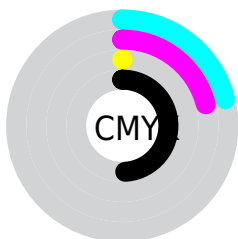
Blue (51%)



Red (41%)

Yellow (41%)

Blue (51%)

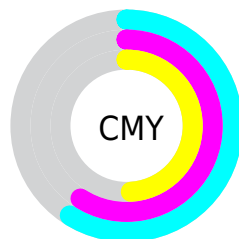


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (49%)



Cyan (59%)


Magenta (59%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.142, 292.415 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, 16.142, 292.415 by changing the saturation by 10% instead.


 45, 16.142,
292.415


 45, 16.142,
292.415


 100, 16.142,
292.415


 35, 16.142,
292.415

 65, 16.142,
292.415


 25, 16.142,
292.415

 75, 16.142,
292.415

 15, 16.142,
292.415

 85, 16.142,
292.415

 5, 16.142, 292.415

 95, 16.142,
292.415

 0, 16.142, 292.415

 45, 16.142,

 45, 16.142,

292.415

40, 24.475,
293.789

35, 33.157,
295.390

31, 42.180,
297.222

26, 51.460,
299.256

22, 60.740,
301.393

18, 69.422,
303.432

15, 76.449,
305.075

13, 81.722,
306.287

292.415

50, 8.139, 291.241

55, 0.446, 290.339

59, 6.961, 109.372

64, 14.103,
108.644

69, 20.999,
108.016

73, 27.664,
107.475

78, 34.114,
107.006

82, 40.363,
106.597

87, 46.423,

Harmonies

Complementary

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



45, 16.142, 292.415



54, 15.419, 108.264

Rectangle

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



45, 16.142, 292.415



45, 16.142, 342.415



45, 16.142, 112.415



45, 16.142, 162.415

Sweetspot

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



45, 16.141, 292.414



66, 5.680, 290.780



53, 10.119, 198.405



34, 3.801, 290.833



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, 16.141, 292.414



55, 24.570, 293.073



46, 16.950, 309.993



25, 4.363, 291.087



13, 81.197, 306.287



0, 1.028, 290.180

Inverse Universe

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



48, 19.157, 325.518



59, 28.872, 325.779



53, 16.498, 128.170



26, 5.272, 324.902



30, 70.122, 328.235



0, 1.256, 324.440

Previews

White Background



This preview shows how the CIELCh color 45, 16.142, 292.415 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, 16.142, 292.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

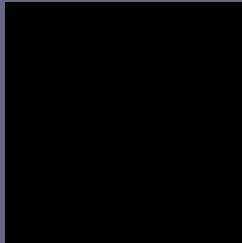
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 16.142, 292.415

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.142, 292.415.



This preview shows how white text looks on a background with the CIELCh color 45, 16.142, 292.415.

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, 16.142, 292.415

Protanopia

45, 16.183, 285.938

Deuteranopia

45, 16.142, 292.415



Tritanopia
45, 5.277, 264.349

Trichromacy



Original Color
45, 16.142, 292.415

Protanomaly
45, 16.133, 288.496

Deuteranomaly
45, 16.142, 292.415

Tritanomaly
45, 9.052, 281.663

Monochromacy



Original Color
45, 16.142, 292.415

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.970, 291.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.142, 292.415 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(104, 104, 131)` looks like.

```
.text, #text, p{  
    color:rgb(104, 104, 131)  
}
```

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(104, 104, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 104, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.142, 292.415 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(104, 104, 131) }
```

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

```
.border{ border-color:rgb(104, 104, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 104, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 104, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 104, 131);  
box-shadow:4px 4px 4px 4px rgb(104, 104,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.142, 292.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 104, 131) }
```

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

```
.background{ background-color: rgb(104,  
104, 131) }
```

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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