

Converting Colors

CIELCh(45, 22.863, 298.965)

Have a look what the booklet for
CIELCh(45, 22.863, 298.965)
contains.

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Color

CIELCh(45, 22.870, 298.676)

Conversions

Conversions Part 1

Format	Color
Hex	6C668C
RGB	108, 102, 140
RGB Percent	42%, 40%, 55%
CMY	0.5771, 0.6006, 0.4516
CMYK	0.23, 0.27, 0.00, 0.45
HSL	249°, 16%, 47%
HSV	249°, 27%, 55%
XYZ	15.6254, 14.5417, 26.7345
YIQ	108.1260, -8.6220, 13.0900

Conversions

Conversions Part 2

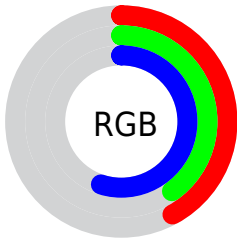
Format	Color
R_{YB}	108, 102, 140
Decimal	7104140
CIE Lab	45.00, 10.97, -20.06
CIE LCh	45, 22.870, 298.676
Yxy	14.5417, 0.2746, 0.2556
Android (android.graphics.Color)	4285294220 (0xFF6C668C)
YUV	108.1260, 15.7139, -0.1105
Hunter-Lab	38.1336, 6.4071, -14.8732

Details

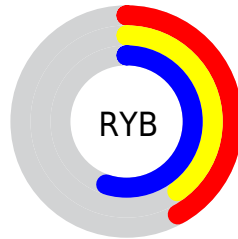
The CIELCh color $45, 22.870, 298.676$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 21.543, 114.421$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.014, 298.592$, and $25, 23.203, 299.277$ is the 20% darker color. If you saturate the color by 10%, you get $40, 31.889, 299.769$, and if you desaturate by 10%, it is $50, 14.177, 297.718$.

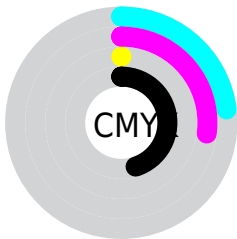
Distribution



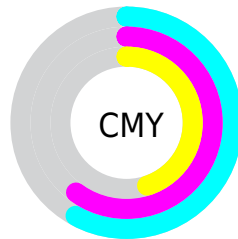
- Red (42%)
- Green (40%)
- Blue (55%)



- Red (42%)
- Yellow (40%)
- Blue (55%)



- Cyan (23%)
- Magenta (27%)
- Yellow (0%)
- Black (45%)




- Cyan (58%)
- Magenta (60%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 22.870, 298.676 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, 22.870, 298.676 by changing the saturation by 10% instead.


 45, 22.870,
298.676


 45, 22.870,
298.676


 100, 22.870,
298.676


 35, 22.870,
298.676

 65, 22.870,
298.676


 25, 22.870,
298.676

 75, 22.870,
298.676

 15, 22.870,
298.676

 85, 22.870,
298.676

 5, 22.870, 298.676

 95, 22.870,
298.676

 0, 22.870, 298.676

 45, 22.870,

 45, 22.870,

298.676

40, 31.889,
299.769

35, 41.213,
300.998

31, 50.753,
302.340

26, 60.290,
303.735

22, 69.359,
305.064

19, 77.143,
306.133

16, 82.923,
306.825

16, 84.533,
307.071

298.676

50, 14.177,
297.718

55, 5.811, 296.887

60, 2.246, 116.167


64, 10.011,
115.549

69, 17.502,
115.016

74, 24.739,
114.556

79, 31.736,
114.159

83, 38.511,
113.817

 88, 45.077,
113.521

Harmonies

Complementary

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



45, 22.870, 298.676



57, 21.543, 114.421

Rectangle

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



45, 22.870, 298.676



45, 22.870, 348.676



45, 22.870, 118.676



45, 22.870, 168.676

Sweetspot

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



45, 22.869, 298.675



69, 8.024, 296.965



54, 12.030, 214.290



36, 5.761, 297.074



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 22.869, 298.675



54, 34.730, 299.374



47, 24.443, 315.258



27, 4.534, 297.042



15, 81.296, 307.102



0, 2.072, 296.360

Inverse Universe

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



48, 23.916, 330.704



59, 35.793, 331.109



55, 23.869, 132.930



27, 4.879, 329.600



30, 63.074, 335.459



0, 2.251, 329.095

Previews

White Background



This preview shows how the CIELCh color 45, 22.870, 298.676 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, 22.870, 298.676 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, 22.870, 298.676

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.870, 298.676.



This preview shows how white text looks on a background with the CIELCh color 45, 22.870, 298.676.

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, 22.870, 298.676

Protanopia

45, 22.202, 285.148

Deuteranopia

45, 20.341, 286.981



Tritanopia
45, 4.996, 272.455

Trichromacy



Original Color
45, 22.870, 298.676

Protanomaly
45, 22.106, 289.569

Deuteranomaly
45, 20.900, 291.095

Tritanomaly
45, 11.351, 291.761

Monochromacy



Original Color
45, 22.870, 298.676

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 8.402, 296.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.870, 298.676 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(108, 102, 140)` looks like.

```
.text, #text, p{  
    color:rgb(108, 102, 140)  
}
```

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(108, 102, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 102, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.870, 298.676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

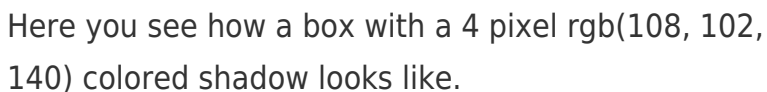
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 102, 140) }
```

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

```
.border{ border-color:rgb(108, 102, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 102, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 102, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 102, 140);  
box-shadow:4px 4px 4px 4px rgb(108, 102,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.870, 298.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 102, 140) }
```

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

```
.background{ background-color: rgb(108,  
102, 140) }
```

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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