

Converting Colors

CIELCh(44, 38.132, 251.763)

Have a look what the booklet for
CIELCh(44, 38.132, 251.763)
contains.

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Color

CIELCh(45, 35.663, 257.635)

Conversions

Conversions Part 1

Format	Color
Hex	0171A4
RGB	1, 113, 164
RGB Percent	0%, 44%, 64%
CMY	0.9972, 0.5562, 0.3561
CMYK	1.00, 0.31, 0.00, 0.36
HSL	199°, 99%, 32%
HSV	199°, 100%, 64%
XYZ	12.6518, 14.5417, 37.3534
YIQ	85.3260, -83.1230, -7.8830

Conversions

Conversions Part 2

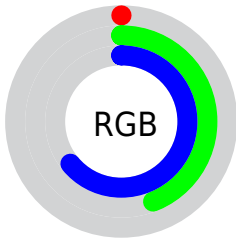
Format	Color
R_{YB}	1, 67, 164
Decimal	94628
CIE _{Lab}	45.00, -7.64, -34.84
CIE _{LCh}	45, 35.663, 257.635
Yxy	14.5417, 0.1960, 0.2253
Android (android.graphics.Color)	4278284708 (0xFF0171A4)
YUV	85.3260, 38.7863, -73.9539
Hunter-Lab	38.1336, -7.5120, -31.3834

Details

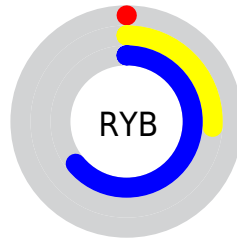
The CIELCh color **45, 35.663, 257.635** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 67.059, 48.323**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 35.408, 257.139**, and **27, 32.203, 272.519** is the 20% darker color. If you saturate the color by 10%, you get **45, 35.757, 257.832**, and if you desaturate by 10%, it is **47, 33.542, 252.915**.

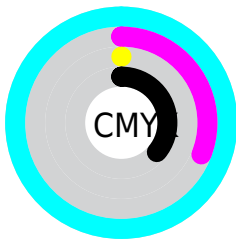
Distribution



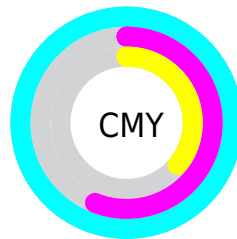
- Red (0%)
- Green (44%)
- Blue (64%)



- Red (0%)
- Yellow (26%)
- Blue (64%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (56%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.663, 257.635 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, 35.663, 257.635 by changing the saturation by 10% instead.


 45, 35.663,
257.635


 45, 35.663,
257.635


 100, 35.663,
257.635


 35, 35.663,
257.635

 65, 35.663,
257.635


 25, 35.663,
257.635

 75, 35.663,
257.635

 15, 35.663,
257.635

 85, 35.663,
257.635

 5, 35.663, 257.635

 95, 35.663,
257.635

 0, 35.663, 257.635

 45, 35.663,

 45, 35.663,

257.635

■ 45, 35.757,
257.832

257.635

■ 47, 33.542,
252.915

■ 49, 31.276,
248.627

■ 51, 28.674,
244.996

■ 53, 25.663,
241.999

■ 55, 22.222,
239.568

■ 57, 18.368,
237.618

■ 60, 14.144,
236.064

■ 62, 9.601, 234.836

Harmonies

Complementary

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



45, 35.663, 257.635



38, 67.059, 48.323

Rectangle

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



45, 35.663, 257.635



45, 35.663, 307.635



45, 35.663, 77.635



45, 35.663, 127.635

Sweetspot

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



45, 35.662, 257.636



76, 17.767, 236.202



59, 75.766, 141.405



39, 11.961, 236.793



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 35.662, 257.636



58, 44.003, 258.879



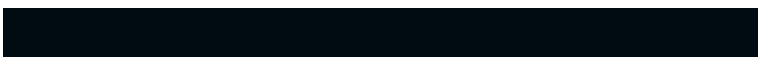
23, 83.214, 302.111



33, 2.823, 233.869



40, 32.532, 257.260



3, 4.497, 240.161

Inverse Universe

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



36, 65.974, 345.496



48, 80.169, 346.013



56, 61.419, 88.085



32, 5.035, 335.368



32, 60.486, 345.343



1, 7.464, 337.227

Previews

White Background



This preview shows how the CIE LCh color 45, 35.663, 257.635 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, 35.663, 257.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

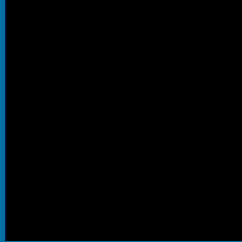
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 35.663, 257.635

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.663, 257.635.

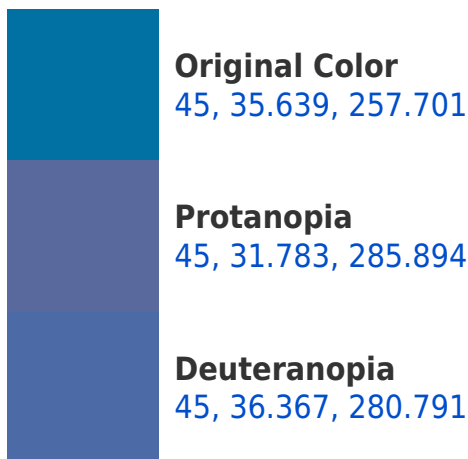


This preview shows how white text looks on a background with the CIELCh color 45, 35.663, 257.635.

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





Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 35.639, 257.701

Protanomaly
44, 33.664, 270.627

Deuteranomaly
45, 35.832, 269.015

Tritanomaly
45, 28.033, 229.773

Monochromacy



Original Color
45, 35.639, 257.701

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 17.452, 240.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.663, 257.635 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(1, 113, 164)` looks like.

```
.text, #text, p{  
    color:rgb(1, 113, 164)  
}
```

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(1, 113, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 113, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.663, 257.635 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(1, 113, 164) }
```

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

```
.border{ border-color:rgb(1, 113, 164) }
```

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

Here you see how a box with a 4 pixel rgb(1, 113, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 113, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 113, 164);  
box-shadow:4px 4px 4px 4px rgb(1, 113,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.663, 257.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 113, 164) }
```

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

```
.background{ background-color: rgb(1, 113,  
164) }
```

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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