

Converting Colors

CIELCh(42, 44.039, 218.449)

Have a look what the booklet for
CIELCh(42, 44.039, 218.449)
contains.

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Color

CIELCh(45, 28.459, 233.787)

Conversions

Conversions Part 1

Format	Color
Hex	037490
RGB	3, 116, 144
RGB Percent	1%, 45%, 56%
CMY	0.9864, 0.5449, 0.4349
CMYK	0.98, 0.19, 0.00, 0.43
HSL	192°, 95%, 29%
HSV	192°, 98%, 57%
XYZ	11.3359, 14.5417, 28.6327
YIQ	85.4050, -76.3360, -15.2480

Conversions

Conversions Part 2

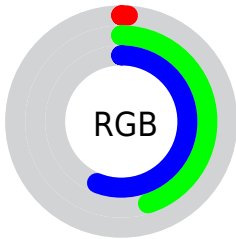
Format	Color
R_{YB}	3, 66, 144
Decimal	226448
CIE _{Lab}	45.00, -16.81, -22.96
CIE _{LCh}	45, 28.459, 233.787
Yxy	14.5417, 0.2080, 0.2668
Android (android.graphics.Color)	4278416528 (0xFF037490)
YUV	85.4050, 28.8873, -72.2692
Hunter-Lab	38.1336, -13.6713, -17.8245

Details

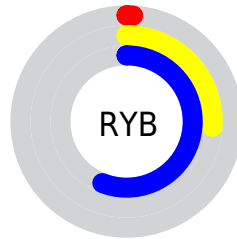
The CIELCh color **45, 28.459, 233.787** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 62.692, 43.442**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 28.506, 233.988**, and **27, 21.918, 246.519** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.660, 234.587**, and if you desaturate by 10%, it is **46, 27.611, 230.477**.

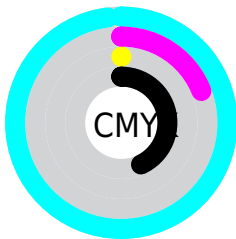
Distribution



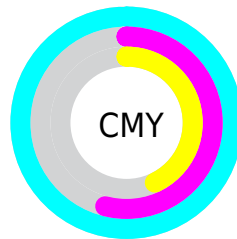
- Red (1%)
- Green (45%)
- Blue (56%)



- Red (1%)
- Yellow (26%)
- Blue (56%)



- Cyan (98%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)




- Cyan (99%)
- Magenta (54%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.459, 233.787 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, 28.459, 233.787 by changing the saturation by 10% instead.

 45, 28.459,
233.787


 45, 28.459,
233.787


 100, 28.459,
233.787

 35, 28.459,
233.787

 65, 28.459,
233.787


 25, 28.459,
233.787

 75, 28.459,
233.787

 15, 28.459,
233.787

 85, 28.459,
233.787

 5, 28.459, 233.787

 95, 28.459,
233.787

 0, 28.459, 233.787

 45, 28.459,

 45, 28.459,

233.787

233.787

■ 45, 28.660,
234.587

■ 46, 27.611,
230.477

■ 47, 26.354,
227.687

■ 49, 24.562,
225.451

■ 50, 22.213,
223.696

■ 51, 19.328,
222.343

■ 53, 15.954,
221.321

■ 55, 12.153,
220.569

■ 56, 7.993, 220.039

Harmonies

Complementary

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



45, 28.459, 233.787



32, 62.692, 43.442

Rectangle

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



45, 28.459, 233.787



45, 28.459, 283.787



45, 28.459, 53.787



45, 28.459, 103.787

Sweetspot

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



45, 28.458, 233.787



69, 15.634, 220.701



52, 72.776, 138.836



36, 10.662, 220.979



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 28.458, 233.787



57, 34.675, 235.460



24, 62.596, 296.051



29, 2.604, 219.756



42, 27.342, 234.338



1, 1.798, 219.423

Inverse Universe

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



32, 64.576, 337.650



42, 78.148, 338.127



46, 53.316, 78.254



28, 4.883, 331.030



30, 62.002, 337.816



1, 3.277, 330.505

Previews

White Background



This preview shows how the CIE LCh color 45, 28.459, 233.787 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, 28.459, 233.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

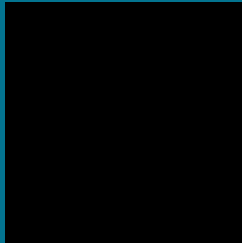
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.459, 233.787

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.459, 233.787.

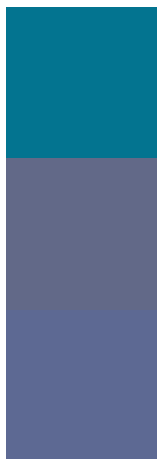


This preview shows how white text looks on a background with the CIELCh color 45, 28.459, 233.787.

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, 28.463, 233.720

Protanopia

45, 18.609, 285.018

Deuteranopia

45, 25.237, 284.429



Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 28.463, 233.720

Protanomaly
44, 22.184, 253.137

Deuteranomaly
44, 25.738, 258.681

Tritanomaly
45, 27.161, 217.730

Monochromacy



Original Color
45, 28.463, 233.720

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.280, 221.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.459, 233.787 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(3, 116, 144)` looks like.

```
.text, #text, p{  
    color:rgb(3, 116, 144)  
}
```

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(3, 116, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 116, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.459, 233.787 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(3, 116, 144) }
```

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

```
.border{ border-color:rgb(3, 116, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 116, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 116, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 116, 144);  
box-shadow:4px 4px 4px 4px rgb(3, 116,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.459, 233.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 116, 144) }
```

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

```
.background{ background-color: rgb(3, 116,  
144) }
```

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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