

Converting Colors

CIELCh(44, 32.851, 239.178)

Have a look what the booklet for
CIELCh(44, 32.851, 239.178)
contains.

CIELCh(45, 30.360, 243.345)	3
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Color

CIELCh(45, 30.360, 243.345)

Conversions

Conversions Part 1

Format	Color
Hex	047397
RGB	4, 115, 151
RGB Percent	2%, 45%, 59%
CMY	0.9853, 0.5487, 0.4073
CMYK	0.98, 0.24, 0.00, 0.41
HSL	195°, 95%, 30%
HSV	195°, 98%, 59%
XYZ	11.7829, 14.5417, 31.5215
YIQ	85.9150, -77.7120, -12.3360

Conversions

Conversions Part 2

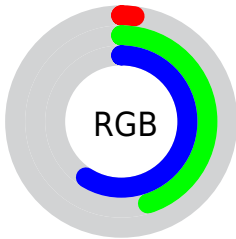
Format	Color
RYB	4, 67, 151
Decimal	291735
CIELab	45.00, -13.62, -27.13
CIELCh	45, 30.360, 243.345
Yxy	14.5417, 0.2037, 0.2514
Android (android.graphics.Color)	4278481815 (0xFF047397)
YUV	85.9150, 32.0869, -71.8395
Hunter-Lab	38.1336, -11.5790, -22.3161

Details

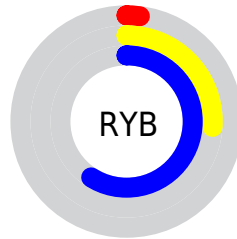
The CIELCh color **45, 30.360, 243.345** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 63.754, 45.248**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 30.165, 242.969**, and **27, 25.101, 258.209** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.669, 244.338**, and if you desaturate by 10%, it is **46, 29.128, 239.317**.

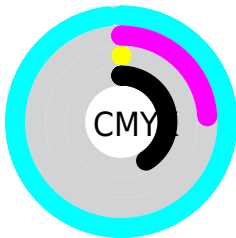
Distribution



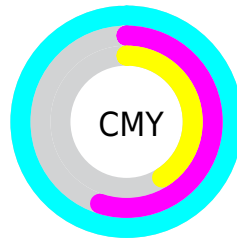
- Red (2%)
- Green (45%)
- Blue (59%)



- Red (2%)
- Yellow (26%)
- Blue (59%)



- Cyan (98%)
- Magenta (24%)
- Yellow (0%)
- Black (41%)





- Cyan (99%)
- Magenta (55%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.360, 243.345 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, 30.360, 243.345 by changing the saturation by 10% instead.


 45, 30.360,
243.345


 45, 30.360,
243.345


 100, 30.360,
243.345


 35, 30.360,
243.345

 65, 30.360,
243.345


 25, 30.360,
243.345

 75, 30.360,
243.345

 15, 30.360,
243.345

 85, 30.360,
243.345

 5, 30.360, 243.345

 95, 30.360,
243.345

 0, 30.360, 243.345

 45, 30.360,

 45, 30.360,

243.345

243.345

■ 45, 30.669,
244.338

■ 46, 29.128,
239.317

■ 48, 27.553,
235.866

■ 49, 25.502,
233.049

■ 51, 22.940,
230.796

■ 53, 19.874,
229.021

■ 55, 16.346,
227.641

■ 57, 12.412,
226.582

■ 59, 8.136, 225.786

Harmonies

Complementary

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



45, 30.360, 243.345



34, 63.754, 45.248

Rectangle

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



45, 30.360, 243.345



45, 30.360, 293.345



45, 30.360, 63.345



45, 30.360, 113.345

Sweetspot

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



45, 30.359, 243.345



72, 16.080, 226.776



54, 73.378, 139.972



37, 10.973, 227.182



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 30.359, 243.345



57, 37.404, 245.343



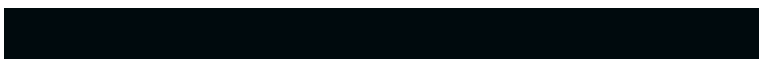
24, 70.049, 298.714



31, 2.705, 225.311



42, 28.995, 244.006



2, 2.974, 226.317

Inverse Universe

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



34, 64.738, 340.430



44, 78.645, 341.068



50, 55.869, 82.697



30, 5.008, 332.688



31, 61.641, 340.645



1, 5.328, 332.612

Previews

White Background



This preview shows how the CIE LCh color 45, 30.360, 243.345 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, 30.360, 243.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

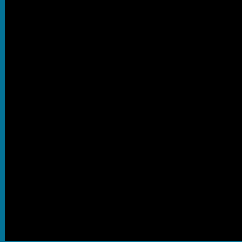
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 30.360, 243.345

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.360, 243.345.

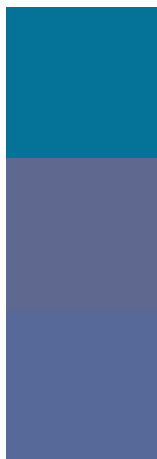


This preview shows how white text looks on a background with the CIELCh color 45, 30.360, 243.345.

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, 30.324, 243.325

Protanopia

45, 22.825, 284.637

Deuteranopia

45, 28.973, 282.619



Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 30.324, 243.325

Protanomaly
44, 25.509, 259.582

Deuteranomaly
44, 28.818, 262.747

Tritanomaly
45, 27.365, 221.767

Monochromacy



Original Color
45, 30.324, 243.325

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.823, 228.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.360, 243.345 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(4, 115, 151)` looks like.

```
.text, #text, p{  
    color:rgb(4, 115, 151)  
}
```

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(4, 115, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 115, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.360, 243.345 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(4, 115, 151) }
```

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

```
.border{ border-color:rgb(4, 115, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 115, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 115, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 115, 151);  
box-shadow:4px 4px 4px 4px rgb(4, 115,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.360, 243.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 115, 151) }
```

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

```
.background{ background-color: rgb(4, 115,  
151) }
```

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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