

Converting Colors

CIELCh(42, 24.832, 246.240)

Have a look what the booklet for
CIELCh(42, 24.832, 246.240)
contains.

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Color

CIELCh(42, 24.731, 245.633)

Conversions

Conversions Part 1

Format	Color
Hex	2A6A88
RGB	42, 106, 136
RGB Percent	16%, 42%, 53%
CMY	0.8368, 0.5855, 0.4679
CMYK	0.69, 0.22, 0.00, 0.47
HSL	199°, 53%, 35%
HSV	199°, 69%, 53%
XYZ	10.4847, 12.5000, 25.0366
YIQ	90.2840, -47.7740, -4.2380

Conversions

Conversions Part 2

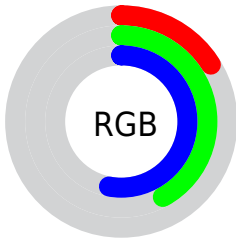
Format	Color
R _Y B	42, 80, 136
Decimal	2779784
CIE Lab	42.00, -10.20, -22.53
CIE LCh	42, 24.731, 245.633
Yxy	12.5000, 0.2183, 0.2603
Android (android.graphics.Color)	4280969864 (0xFF2A6A88)
YUV	90.2840, 22.5380, -42.3451
Hunter-Lab	35.3553, -8.9372, -17.2371




Details

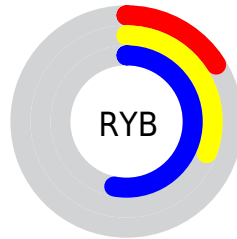
The CIELCh color **42, 24.731, 245.633** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 38.556, 50.390**, and the grayscale version is **38, 0.005, 296.813**.




A 20% lighter version of the original color is **62, 24.617, 245.607**, and **23, 21.865, 254.308** is the 20% darker color. If you saturate the color by 10%, you get **40, 27.059, 249.156**, and if you desaturate by 10%, it is **44, 22.064, 242.717**.

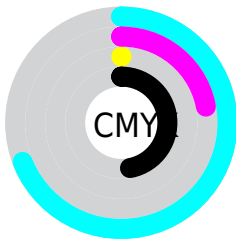
Distribution







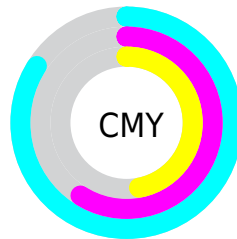
-  Red (16%)
-  Green (42%)
-  Blue (53%)






-  Red (16%)
-  Yellow (31%)
-  Blue (53%)



-  Cyan (69%)
-  Magenta (22%)
-  Yellow (0%)
-  Black (47%)



-  Cyan (84%)
-  Magenta (59%)
-  Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 24.731, 245.633 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 42, 24.731, 245.633 by changing the saturation by 10% instead.

 42, 24.731,
245.633

 42, 24.731,
245.633


 100, 24.731,
245.633

 32, 24.731,
245.633

 62, 24.731,
245.633

 22, 24.731,
245.633

 72, 24.731,
245.633

 12, 24.731,
245.633

 82, 24.731,
245.633

 2, 24.731, 245.633

 92, 24.731,
245.633

 0, 24.731, 245.633

 42, 24.731,

 42, 24.731,

245.633

245.633

■ 40, 27.059,
249.156

■ 44, 22.064,
242.717

■ 39, 29.106,
253.312

■ 46, 19.047,
240.341

■ 37, 31.045,
257.820

■ 48, 15.694,
238.424

■ 37, 31.183,
258.111

■ 50, 12.039,
236.888

■ 52, 8.127, 235.666

■ 54, 4.002, 234.723

■ 57, 0.293, 52.564

■ 59, 4.719, 53.119

■ 61, 9.245, 52.644

Harmonies

Complementary

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



42, 24.731, 245.633



38, 38.556, 50.390

Rectangle

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



42, 24.731, 245.633



42, 24.731, 295.633



42, 24.731, 65.633



42, 24.731, 115.633

Sweetspot

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



42, 24.730, 245.633



66, 10.869, 235.904



50, 49.907, 147.666



34, 7.373, 236.182



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 24.730, 245.633



51, 34.135, 251.363



28, 49.411, 294.076



28, 2.453, 234.711



36, 30.633, 257.989



1, 1.158, 233.900

Inverse Universe

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



34, 49.311, 340.951



41, 66.624, 343.060



50, 43.176, 93.456



27, 4.350, 335.632



29, 56.442, 345.641



0, 2.004, 335.052

Previews

White Background



This preview shows how the CIE LCh color 42, 24.731, 245.633 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 42, 24.731, 245.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

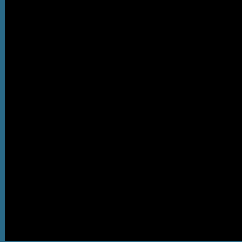
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.731, 245.633

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.731, 245.633.



This preview shows how white text looks on a background with the CIELCh color 42, 24.731, 245.633.

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

42, 24.731, 245.633

Protanopia

42, 19.455, 285.627

Deuteranopia

42, 24.349, 284.060



Tritanopia
42, 23.202, 210.677

Trichromacy



Original Color
42, 24.731, 245.633

Protanomaly
41, 20.532, 265.908

Deuteranomaly
42, 23.431, 268.171

Tritanomaly
42, 22.826, 222.619

Monochromacy



Original Color
42, 24.731, 245.633

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 10.965, 236.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.731, 245.633 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(42, 106, 136)` looks like.

```
.text, #text, p{  
    color:rgb(42, 106, 136)  
}
```

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(42, 106, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 106, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.731, 245.633 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(42, 106, 136) }
```

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

```
.border{ border-color:rgb(42, 106, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 106, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 106, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 106, 136);  
box-shadow:4px 4px 4px 4px rgb(42, 106,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.731, 245.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 106, 136) }
```

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

```
.background{ background-color: rgb(42, 106,  
136) }
```

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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