

Converting Colors

CIELCh(44, 42.373, 273.871)

Have a look what the booklet for
CIELCh(44, 42.373, 273.871)
contains.

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Color

CIELCh(44, 42.476, 274.068)

Conversions

Conversions Part 1

Format	Color
Hex	256AAE
RGB	37, 106, 174
RGB Percent	15%, 42%, 68%
CMY	0.8564, 0.5829, 0.3161
CMYK	0.79, 0.39, 0.00, 0.32
HSL	210°, 65%, 41%
HSV	210°, 79%, 68%
XYZ	13.6179, 13.8382, 42.1985
YIQ	93.1210, -62.9520, 6.5200

Conversions

Conversions Part 2

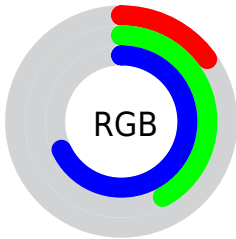
Format	Color
RYB	37, 83, 174
Decimal	2452142
CIELab	44.00, 3.01, -42.37
CIElCh	44, 42.476, 274.068
Yxy	13.8382, 0.1955, 0.1987
Android (android.graphics.Color)	4280642222 (0xFF256AAE)
YUV	93.1210, 39.8733, -49.2181
Hunter-Lab	37.1997, 0.2450, -41.2173

Details

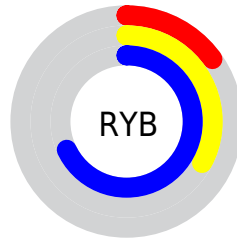
The CIELCh color **44, 42.476, 274.068** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 52.780, 64.682**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 42.398, 274.174**, and **26, 40.455, 282.666** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.606, 278.385**, and if you desaturate by 10%, it is **47, 37.391, 270.155**.

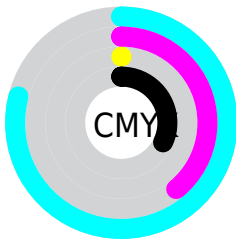
Distribution



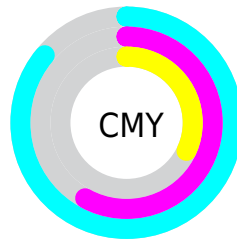
- Red (15%)
- Green (42%)
- Blue (68%)



- Red (15%)
- Yellow (33%)
- Blue (68%)



- Cyan (79%)
- Magenta (39%)
- Yellow (0%)
- Black (32%)




- Cyan (86%)
- Magenta (58%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 42.476, 274.068 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 44, 42.476, 274.068 by changing the saturation by 10% instead.

 44, 42.476,
274.068

 44, 42.476,
274.068

 100, 42.476,
274.068

 34, 42.476,
274.068

 64, 42.476,
274.068


 24, 42.476,
274.068

 74, 42.476,
274.068

 14, 42.476,
274.068

 84, 42.476,
274.068

 4, 42.476, 274.068

 94, 42.476,
274.068

 0, 42.476, 274.068

 44, 42.476,

 44, 42.476,

274.068

274.068

■ 41, 47.606,
278.385

■ 47, 37.391,
270.155

■ 38, 52.886,
282.837

■ 50, 32.270,
266.719

■ 38, 53.432,
283.255

■ 54, 27.059,
263.771

■ 57, 21.734,
261.275

■ 61, 16.291,
259.176

■ 64, 10.746,
257.418

■ 68, 5.119, 255.962

■ 72, 0.566, 74.040

Harmonies

Complementary

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



44, 42.476, 274.068



51, 52.780, 64.682

Rectangle

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



44, 42.476, 274.068



44, 42.476, 324.068



44, 42.476, 94.068



44, 42.476, 144.068

Sweetspot

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



44, 42.475, 274.069



79, 16.760, 258.332



63, 58.339, 152.844



41, 11.578, 258.971



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



44, 42.475, 274.069



51, 62.857, 281.863



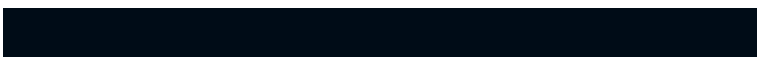
26, 84.577, 303.070



35, 3.206, 256.001



33, 47.374, 282.667



3, 7.344, 264.000

Inverse Universe

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



40, 59.289, 354.233



49, 77.096, 0.009



69, 65.459, 102.595



34, 4.662, 344.038



32, 57.315, 0.682



2, 9.169, 348.475

Previews

White Background



This preview shows how the CIE LCh color 44, 42.476, 274.068 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 44, 42.476, 274.068 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 44, 42.476, 274.068

Background



This preview shows how black text looks on a background with the CIELCh color 44, 42.476, 274.068.



This preview shows how white text looks on a background with the CIELCh color 44, 42.476, 274.068.

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

44, 42.440, 274.225

Protanopia

44, 41.522, 286.068

Deuteranopia

44, 43.450, 279.206



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 42.440, 274.225

Protanomaly
44, 42.000, 281.051

Deuteranomaly
44, 43.130, 277.217

Tritanomaly
44, 27.970, 238.046

Monochromacy



Original Color
44, 42.440, 274.225

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 17.138, 262.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 42.476, 274.068 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(37, 106, 174)` looks like.

```
.text, #text, p{  
    color:rgb(37, 106, 174)  
}
```

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(37, 106, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 106, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 42.476, 274.068 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(37, 106, 174) }
```

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

```
.border{ border-color:rgb(37, 106, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 106, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 106, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 106, 174);  
box-shadow:4px 4px 4px 4px rgb(37, 106,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 42.476, 274.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 106, 174) }
```

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

```
.background{ background-color: rgb(37, 106,  
174) }
```

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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