

Converting Colors

CIELCh(42, 49.152, 282.870)

Have a look what the booklet for
CIELCh(42, 49.152, 282.870)
contains.

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Color

CIELCh(42, 48.839, 282.696)

Conversions

Conversions Part 1

Format	Color
Hex	2D62B2
RGB	45, 98, 178
RGB Percent	18%, 38%, 70%
CMY	0.8237, 0.6158, 0.3021
CMYK	0.75, 0.45, 0.00, 0.30
HSL	216°, 60%, 44%
HSV	216°, 75%, 70%
XYZ	13.4778, 12.5000, 43.8052
YIQ	91.2730, -57.2680, 13.6440

Conversions

Conversions Part 2

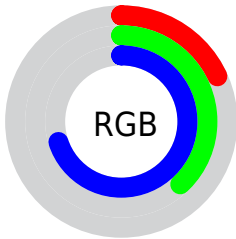
Format	Color
R_{YB}	45, 83, 178
Decimal	2974386
CIE _{Lab}	42.00, 10.73, -47.64
CIE _{LCh}	42, 48.839, 282.696
Yxy	12.5000, 0.1931, 0.1791
Android (android.graphics.Color)	4281164466 (0xFF2D62B2)
YUV	91.2730, 42.7564, -40.5814
Hunter-Lab	35.3553, 6.1743, -48.7114

Details

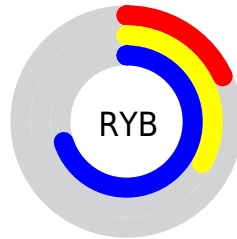
The CIELCh color **42, 48.839, 282.696** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **56, 51.319, 75.127**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 48.765, 282.828**, and **24, 47.626, 289.187** is the 20% darker color. If you saturate the color by 10%, you get **38, 55.777, 286.484**, and if you desaturate by 10%, it is **46, 42.066, 279.230**.

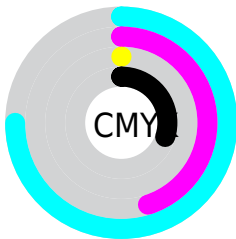
Distribution



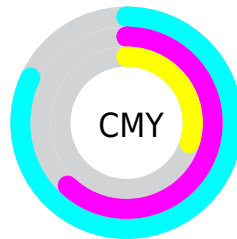
- Red (18%)
- Green (38%)
- Blue (70%)



- Red (18%)
- Yellow (33%)
- Blue (70%)



- Cyan (75%)
- Magenta (45%)
- Yellow (0%)
- Black (30%)





- Cyan (82%)
- Magenta (62%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 48.839, 282.696 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, 48.839, 282.696 by changing the saturation by 10% instead.

 42, 48.839,
282.696

 42, 48.839,
282.696


 100, 48.839,
282.696


 32, 48.839,
282.696

 62, 48.839,
282.696

 22, 48.839,
282.696

 72, 48.839,
282.696

 12, 48.839,
282.696

 82, 48.839,
282.696

 2, 48.839, 282.696

 92, 48.839,
282.696

 0, 48.839, 282.696

 42, 48.839,

 42, 48.839,

282.696

■ 38, 55.777,
286.484

■ 35, 62.890,
290.437

■ 33, 66.700,
292.405

282.696

■ 46, 42.066,
279.230

■ 50, 35.418,
276.158

■ 54, 28.851,
273.491

■ 58, 22.336,
271.205

■ 62, 15.859,
269.257

■ 66, 9.420, 267.603

■ 71, 3.021, 266.238

■ 75, 3.328, 84.847

■ 79, 9.620, 83.841

Harmonies

Complementary

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



42, 48.839, 282.696



56, 51.319, 75.127

Rectangle

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



42, 48.839, 282.696



42, 48.839, 332.696



42, 48.839, 102.696



42, 48.839, 152.696

Sweetspot

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



42, 48.839, 282.697



81, 17.488, 268.843



65, 50.802, 160.080



42, 11.855, 269.314



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 48.839, 282.697



48, 73.925, 289.176



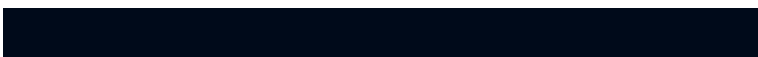
29, 82.174, 304.015



36, 3.623, 266.821



28, 58.912, 291.903



3, 9.601, 273.118

Inverse Universe

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



42, 56.540, 1.349



50, 76.611, 7.692



69, 65.306, 108.858



35, 4.458, 350.285



32, 57.852, 10.967



2, 10.082, 355.419

Previews

White Background



This preview shows how the CIE LCh color 42, 48.839, 282.696 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 42, 48.839, 282.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

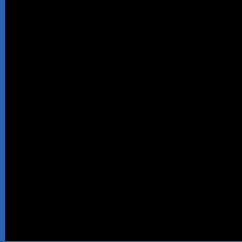
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 48.839, 282.696

Background



This preview shows how black text looks on a background with the CIELCh color 42, 48.839, 282.696.



This preview shows how white text looks on a background with the CIELCh color 42, 48.839, 282.696.

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, 48.839, 282.696

Protanopia

42, 48.464, 286.488

Deuteranopia

42, 47.804, 277.555



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 48.839, 282.696

Protanomaly
42, 48.592, 284.866

Deuteranomaly
42, 48.174, 279.158

Tritanomaly
42, 28.247, 245.083

Monochromacy



Original Color
42, 48.839, 282.696

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 18.734, 271.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 48.839, 282.696 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(45, 98, 178)` looks like.

```
.text, #text, p{  
    color:rgb(45, 98, 178)  
}
```

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(45, 98, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 98, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 48.839, 282.696 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(45, 98, 178) }
```

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

```
.border{ border-color:rgb(45, 98, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 98, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 98, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 98, 178);  
box-shadow:4px 4px 4px 4px rgb(45, 98,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 48.839, 282.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 98, 178) }
```

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

```
.background{ background-color: rgb(45, 98,  
178) }
```

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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