

Converting Colors

CIELCh(41, 49.157, 282.380)

Have a look what the booklet for
CIELCh(41, 49.157, 282.380)
contains.

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Color

CIELCh(41, 49.095, 282.221)

Conversions

Conversions Part 1

Format	Color
Hex	2660B0
RGB	38, 96, 176
RGB Percent	15%, 38%, 69%
CMY	0.8522, 0.6242, 0.3106
CMYK	0.79, 0.45, 0.00, 0.31
HSL	215°, 65%, 42%
HSV	215°, 79%, 69%
XYZ	12.7693, 11.8645, 42.5825
YIQ	87.7780, -60.2480, 12.5840

Conversions

Conversions Part 2

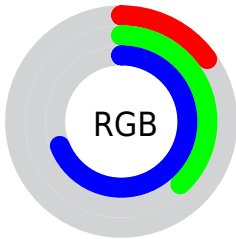
Format	Color
R_{YB}	38, 79, 176
Decimal	2515120
CIE _{Lab}	41.00, 10.39, -47.98
CIE _{LCh}	41, 49.095, 282.221
Yxy	11.8645, 0.1900, 0.1765
Android (android.graphics.Color)	4280705200 (0xFF2660B0)
YUV	87.7780, 43.4934, -43.6553
Hunter-Lab	34.4449, 5.8942, -49.1858

Details

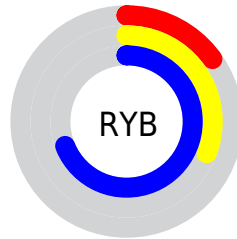
The CIELCh color **41, 49.095, 282.221** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **54, 52.963, 72.450**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.988, 282.159**, and **23, 47.805, 289.837** is the 20% darker color. If you saturate the color by 10%, you get **38, 55.667, 286.187**, and if you desaturate by 10%, it is **45, 42.679, 278.555**.

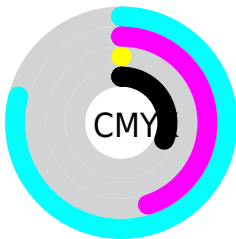
Distribution



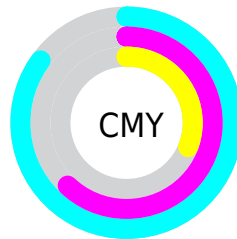
- Red (15%)
- Green (38%)
- Blue (69%)



- Red (15%)
- Yellow (31%)
- Blue (69%)



- Cyan (79%)
- Magenta (45%)
- Yellow (0%)
- Black (31%)



- Cyan (85%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 49.095, 282.221 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 41, 49.095, 282.221 by changing the saturation by 10% instead.

■ 41, 49.095,
282.221

■ 41, 49.095,
282.221

■ 100, 49.095,
282.221

■ 31, 49.095,
282.221

■ 61, 49.095,
282.221

■ 21, 49.095,
282.221

■ 71, 49.095,
282.221

■ 11, 49.095,
282.221

■ 81, 49.095,
282.221

■ 1, 49.095, 282.221

■ 91, 49.095,
282.221

■ 0, 49.095, 282.221

■ 41, 49.095,

■ 41, 49.095,

282.221

■ 38, 55.667,
286.187

■ 34, 62.417,
290.204

■ 34, 63.406,
290.739

282.221

■ 45, 42.679,
278.555

■ 48, 36.372,
275.281

■ 52, 30.123,
272.430

■ 56, 23.900,
269.982

■ 60, 17.687,
267.898

■ 64, 11.481,
266.129

■ 68, 5.290, 264.642

■ 72, 0.878, 82.976

Harmonies

Complementary

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



41, 49.095, 282.221



54, 52.963, 72.450

Rectangle

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



41, 49.095, 282.221



41, 49.095, 332.221



41, 49.095, 102.221



41, 49.095, 152.221

Sweetspot

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



41, 49.095, 282.222



79, 18.452, 267.130



64, 53.887, 157.380



40, 12.668, 267.772



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 49.095, 282.222



47, 73.762, 289.083



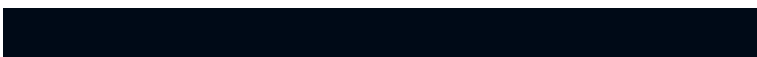
27, 85.553, 304.156



35, 3.459, 264.741



29, 55.799, 290.195



2, 7.885, 270.322

Inverse Universe

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



40, 58.021, 0.751



50, 76.944, 7.485



69, 66.613, 107.027



34, 4.412, 348.911



32, 56.997, 8.745



2, 8.767, 353.025

Previews

White Background



This preview shows how the CIE LCh color 41, 49.095, 282.221 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 41, 49.095, 282.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

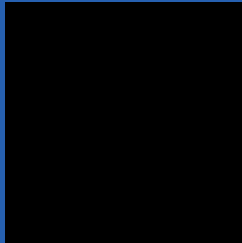
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 49.095, 282.221

Background



This preview shows how black text looks on a background with the CIELCh color 41, 49.095, 282.221.



This preview shows how white text looks on a background with the CIELCh color 41, 49.095, 282.221.

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


41, 49.095, 282.221

Protanopia

41, 48.664, 286.262

Deuteranopia

41, 47.496, 276.896



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 49.095, 282.221

Protanomaly
41, 48.815, 284.524

Deuteranomaly
41, 48.434, 278.743

Tritanomaly
41, 28.019, 245.927

Monochromacy



Original Color
41, 49.095, 282.221

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 18.924, 270.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 49.095, 282.221 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(38, 96, 176)` looks like.

```
.text, #text, p{  
    color:rgb(38, 96, 176)  
}
```

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(38, 96, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 96, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 49.095, 282.221 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(38, 96, 176) }
```

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

```
.border{ border-color:rgb(38, 96, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 96, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 96, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 96, 176);  
box-shadow:4px 4px 4px 4px rgb(38, 96,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 49.095, 282.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 96, 176) }
```

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

```
.background{ background-color: rgb(38, 96,  
176) }
```

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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