

Converting Colors

CIELCh(42, 50.152, 278.608)

Have a look what the booklet for
CIELCh(42, 50.152, 278.608)
contains.

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Color

CIELCh(42, 50.068, 278.577)

Conversions

Conversions Part 1

Format	Color
Hex	0564B5
RGB	5, 100, 181
RGB Percent	2%, 39%, 71%
CMY	0.9791, 0.6076, 0.2899
CMYK	0.97, 0.45, 0.00, 0.29
HSL	208°, 94%, 37%
HSV	208°, 97%, 71%
XYZ	12.9776, 12.5000, 45.4845
YIQ	80.8290, -82.6210, 5.0510

Conversions

Conversions Part 2

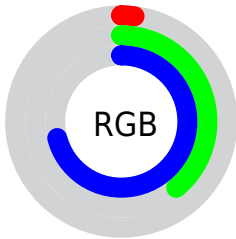
Format	Color
RYB	5, 67, 181
Decimal	353461
CIELab	42.00, 7.47, -49.51
CIELCh	42, 50.068, 278.577
Yxy	12.5000, 0.1829, 0.1762
Android (android.graphics.Color)	4278543541 (0xFF0564B5)
YUV	80.8290, 49.3843, -66.5020
Hunter-Lab	35.3553, 3.6486, -51.5277

Details

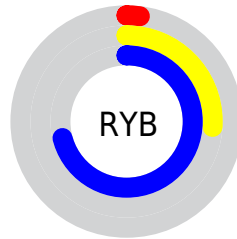
The CIELCh color `42, 50.068, 278.577` is a dark color, and the websafe version is hex `0066CC`. A complement of this color would be `48, 65.503, 58.143`, and the grayscale version is `34, 0.005, 296.813`.

A 20% lighter version of the original color is `62, 49.969, 278.545`, and `24, 48.148, 289.164` is the 20% darker color. If you saturate the color by 10%, you get `41, 51.531, 279.884`, and if you desaturate by 10%, it is `45, 45.256, 273.920`.

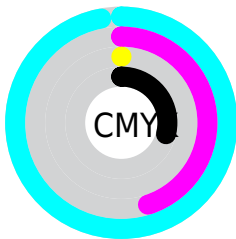
Distribution



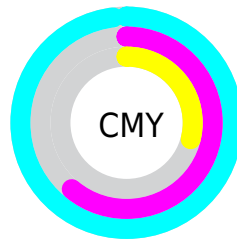
- Red (2%)
- Green (39%)
- Blue (71%)



- Red (2%)
- Yellow (26%)
- Blue (71%)



- Cyan (97%)
- Magenta (45%)
- Yellow (0%)
- Black (29%)





- Cyan (98%)
- Magenta (61%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 50.068, 278.577 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, 50.068, 278.577 by changing the saturation by 10% instead.


 42, 50.068,
278.577


 42, 50.068,
278.577


 100, 50.068,
278.577


 32, 50.068,
278.577

 62, 50.068,
278.577


 22, 50.068,
278.577

 72, 50.068,
278.577

 12, 50.068,
278.577

 82, 50.068,
278.577

 2, 50.068, 278.577

 92, 50.068,
278.577

 0, 50.068, 278.577

 42, 50.068,

 42, 50.068,

278.577

■ 41, 51.531,
279.884

278.577

■ 45, 45.256,
273.920

■ 48, 40.528,
269.554

■ 51, 35.768,
265.659

■ 54, 30.892,
262.287

■ 57, 25.851,
259.425

■ 61, 20.631,
257.025

■ 64, 15.241,
255.024

■ 68, 9.705, 253.363

Harmonies

Complementary

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



42, 50.068, 278.577



48, 65.503, 58.143

Rectangle

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



42, 50.068, 278.577



42, 50.068, 328.577



42, 50.068, 98.577



42, 50.068, 148.577

Sweetspot

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



42, 50.068, 278.579



80, 20.106, 255.476



65, 71.021, 147.416



41, 13.718, 256.308



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, 50.068, 278.579



53, 63.548, 280.737



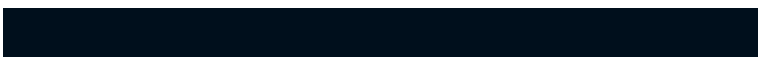
23, 99.728, 305.397



37, 3.281, 252.290



35, 45.560, 279.273



4, 9.848, 263.992

Inverse Universe

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



39, 65.797, 357.266



51, 80.101, 358.987



69, 71.693, 99.726



36, 4.999, 342.303



33, 59.192, 357.784



3, 12.494, 348.538

Previews

White Background



This preview shows how the CIE LCh color 42, 50.068, 278.577 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, 50.068, 278.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

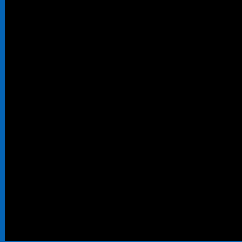
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 50.068, 278.577

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.068, 278.577.



This preview shows how white text looks on a background with the CIELCh color 42, 50.068, 278.577.

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, 50.068, 278.577

Protanopia

42, 49.063, 286.508

Deuteranopia

42, 47.962, 276.469



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 50.068, 278.577

Protanomaly
42, 49.565, 282.528

Deuteranomaly
42, 48.470, 276.982

Tritanomaly
42, 28.828, 243.800

Monochromacy



Original Color
42, 50.068, 278.577

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 20.667, 260.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.068, 278.577 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(5, 100, 181)` looks like.

```
.text, #text, p{  
    color:rgb(5, 100, 181)  
}
```

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(5, 100, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 100, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.068, 278.577 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(5, 100, 181) }
```

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

```
.border{ border-color:rgb(5, 100, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 100, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 100, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 100, 181);  
box-shadow:4px 4px 4px 4px rgb(5, 100,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.068, 278.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 100, 181) }
```

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

```
.background{ background-color: rgb(5, 100,  
181) }
```

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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