

Converting Colors

CIELCh(42, 56.779, 282.861)

Have a look what the booklet for
CIELCh(42, 56.779, 282.861)
contains.

CIELCh(42, 56.731, 282.869)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 56.731, 282.869)

Conversions

Conversions Part 1

Format	Color
Hex	0062BF
RGB	0, 98, 191
RGB Percent	0%, 38%, 75%
CMY	0.9996, 0.6156, 0.2509
CMYK	1.00, 0.49, 0.00, 0.25
HSL	209°, 100%, 37%
HSV	209°, 100%, 75%
XYZ	13.7749, 12.5000, 50.9841
YIQ	79.3000, -88.2610, 8.1470

Conversions

Conversions Part 2

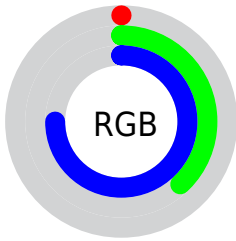
Format	Color
RYB	0, 65, 191
Decimal	25279
CIELab	42.00, 12.64, -55.31
CIELCh	42, 56.731, 282.869
Yxy	12.5000, 0.1783, 0.1618
Android (android.graphics.Color)	4278215359 (0xFF0062BF)
YUV	79.3000, 55.0681, -69.5461
Hunter-Lab	35.3553, 7.6739, -60.7503

Details

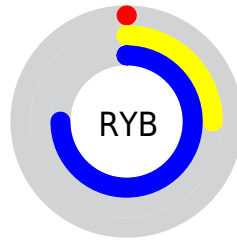
The CIELCh color **42, 56.731, 282.869** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **51, 68.975, 59.463**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 56.692, 282.828**, and **25, 54.908, 292.306** is the 20% darker color. If you saturate the color by 10%, you get **42, 56.762, 282.894**, and if you desaturate by 10%, it is **45, 51.140, 278.354**.

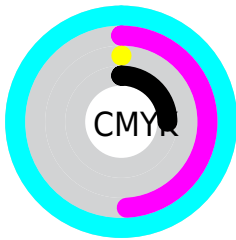
Distribution



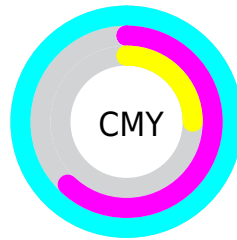
- Red (0%)
- Green (38%)
- Blue (75%)



- Red (0%)
- Yellow (25%)
- Blue (75%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (62%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 56.731, 282.869 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, 56.731, 282.869 by changing the saturation by 10% instead.


 42, 56.731,
282.869


 42, 56.731,
282.869


 100, 56.731,
282.869


 32, 56.731,
282.869

 62, 56.731,
282.869


 22, 56.731,
282.869

 72, 56.731,
282.869

 12, 56.731,
282.869

 82, 56.731,
282.869

 2, 56.731, 282.869

 92, 56.731,
282.869

 0, 56.731, 282.869

 42, 56.731,

 42, 56.731,

282.869

282.869

■ 42, 56.762,
282.894

■ 45, 51.140,
278.354

■ 48, 45.720,
273.936

■ 51, 40.352,
269.916

■ 55, 34.942,
266.383

■ 58, 29.427,
263.352

■ 62, 23.775,
260.788

■ 66, 17.985,
258.636

■ 70, 12.072,
256.837

Harmonies

Complementary

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



42, 56.731, 282.869



51, 68.975, 59.463

Rectangle

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



42, 56.731, 282.869



42, 56.731, 332.869



42, 56.731, 102.869



42, 56.731, 152.869

Sweetspot

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



42, 56.731, 282.871



83, 22.217, 258.740



68, 72.949, 148.276



43, 15.224, 259.621



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 56.731, 282.871



54, 70.010, 283.675



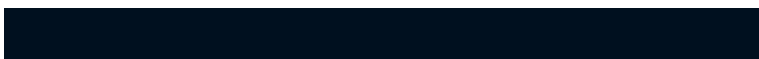
23, 106.900, 306.090



38, 3.420, 255.269



35, 48.668, 282.183



4, 11.405, 267.360

Inverse Universe

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



41, 68.332, 0.869



53, 82.869, 1.621



74, 77.010, 101.798



37, 5.023, 343.685



34, 59.496, 0.245



3, 14.051, 350.851

Previews

White Background



This preview shows how the CIE LCh color 42, 56.731, 282.869 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, 56.731, 282.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

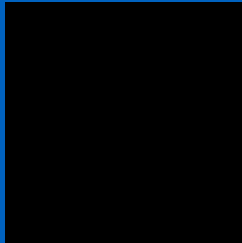
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 56.731, 282.869

Background



This preview shows how black text looks on a background with the CIELCh color 42, 56.731, 282.869.



This preview shows how white text looks on a background with the CIELCh color 42, 56.731, 282.869.

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, 56.731, 282.869

Protanopia

42, 56.194, 287.028

Deuteranopia

42, 46.907, 275.616



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 56.731, 282.869

Protanomaly
42, 56.462, 284.803

Deuteranomaly
42, 50.120, 278.338

Tritanomaly
42, 30.195, 248.039

Monochromacy



Original Color
42, 56.731, 282.869

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 23.311, 264.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 56.731, 282.869 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(0, 98, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 191)  
}
```

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(0, 98, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 56.731, 282.869 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(0, 98, 191) }
```

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

```
.border{ border-color:rgb(0, 98, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 56.731, 282.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 191) }
```

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

```
.background{ background-color: rgb(0, 98,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor