

Converting Colors

CIELCh(42, 56.953, 283.396)

Have a look what the booklet for
CIELCh(42, 56.953, 283.396)
contains.

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Color

CIELCh(42, 56.668, 283.186)

Conversions

Conversions Part 1

Format	Color
Hex	0762BF
RGB	7, 98, 191
RGB Percent	3%, 38%, 75%
CMY	0.9720, 0.6164, 0.2518
CMYK	0.96, 0.49, 0.00, 0.25
HSL	210°, 93%, 39%
HSV	210°, 96%, 75%
XYZ	13.8208, 12.5000, 50.8541
YIQ	81.3930, -84.0890, 9.6310

Conversions

Conversions Part 2

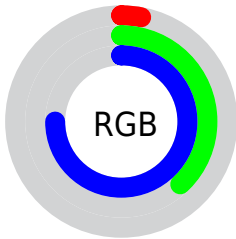
Format	Color
RYB	7, 68, 191
Decimal	484031
CIELab	42.00, 12.93, -55.17
CIELCh	42, 56.668, 283.186
Yxy	12.5000, 0.1791, 0.1620
Android (android.graphics.Color)	4278674111 (0xFF0762BF)
YUV	81.3930, 54.0363, -65.2427
Hunter-Lab	35.3553, 7.9057, -60.5324

Details

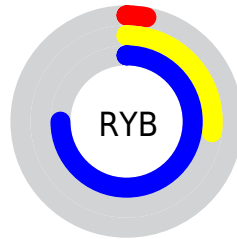
The CIELCh color **42, 56.668, 283.186** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **52, 66.644, 61.923**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 56.623, 283.215**, and **25, 54.908, 292.306** is the 20% darker color. If you saturate the color by 10%, you get **41, 58.927, 284.786**, and if you desaturate by 10%, it is **45, 50.811, 278.714**.

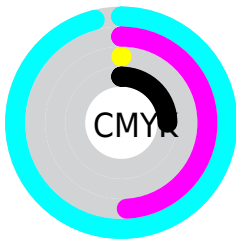
Distribution



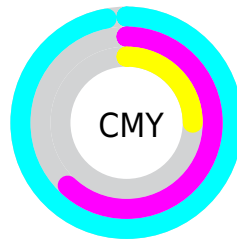
- Red (3%)
- Green (38%)
- Blue (75%)



- Red (3%)
- Yellow (27%)
- Blue (75%)



- Cyan (96%)
- Magenta (49%)
- Yellow (0%)
- Black (25%)





- Cyan (97%)
- Magenta (62%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 56.668, 283.186 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, 56.668, 283.186 by changing the saturation by 10% instead.


 42, 56.668,
283.186


 42, 56.668,
283.186


 100, 56.668,
283.186


 32, 56.668,
283.186

 62, 56.668,
283.186


 22, 56.668,
283.186

 72, 56.668,
283.186

 12, 56.668,
283.186

 82, 56.668,
283.186

 2, 56.668, 283.186

 92, 56.668,
283.186

 0, 56.668, 283.186

 42, 56.668,

 42, 56.668,

283.186

■ 41, 58.927,
284.786

283.186

■ 45, 50.811,
278.714

■ 48, 45.095,
274.490

■ 52, 39.430,
270.681

■ 55, 33.736,
267.352

■ 59, 27.959,
264.501

■ 63, 22.077,
262.088

■ 67, 16.091,
260.060

■ 71, 10.017,
258.361

Harmonies

Complementary

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



42, 56.668, 283.186



52, 66.644, 61.923

Rectangle

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



42, 56.668, 283.186



42, 56.668, 333.186



42, 56.668, 103.186



42, 56.668, 153.186

Sweetspot

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



42, 56.668, 283.188



83, 21.901, 260.672



68, 70.068, 149.896



43, 15.108, 261.553



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, 56.668, 283.188



53, 72.778, 285.550



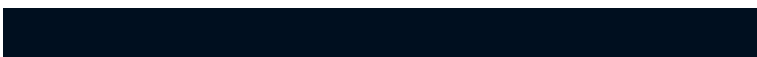
24, 105.735, 305.966



38, 3.472, 257.362



34, 50.554, 284.098



4, 11.625, 268.940

Inverse Universe

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



41, 67.567, 1.213



53, 82.644, 3.473



75, 77.170, 102.918



37, 4.959, 344.720



34, 59.286, 2.027



3, 13.901, 351.974

Previews

White Background



This preview shows how the CIE LCh color 42, 56.668, 283.186 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, 56.668, 283.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

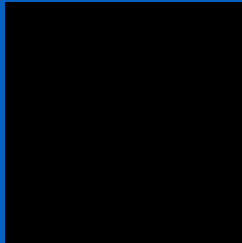
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 56.668, 283.186

Background



This preview shows how black text looks on a background with the CIELCh color 42, 56.668, 283.186.



This preview shows how white text looks on a background with the CIELCh color 42, 56.668, 283.186.

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





Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 56.676, 283.146

Protanomaly
42, 55.854, 284.828

Deuteranomaly
42, 50.089, 278.481

Tritanomaly
42, 30.089, 248.288

Monochromacy



Original Color
42, 56.676, 283.146

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 22.980, 266.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 56.668, 283.186 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(7, 98, 191)` looks like.

```
.text, #text, p{  
    color:rgb(7, 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(7, 98, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 98, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 56.668, 283.186 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(7, 98, 191) }
```

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

```
.border{ border-color:rgb(7, 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(7, 98, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 98, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 98, 191);  
box-shadow:4px 4px 4px 4px rgb(7, 98, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 56.668, 283.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 98, 191) }
```

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

```
.background{ background-color: rgb(7, 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](#).

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