

Converting Colors

CIELCh(40, 57.078, 284.128)

Have a look what the booklet for
CIELCh(40, 57.078, 284.128)
contains.

CIELCh(40, 57.620, 284.617)	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(40, 57.620, 284.617)

Conversions

Conversions Part 1

Format	Color
Hex	015CBA
RGB	1, 92, 186
RGB Percent	0%, 36%, 73%
CMY	0.9961, 0.6384, 0.2697
CMYK	0.99, 0.50, 0.00, 0.27
HSL	210°, 99%, 37%
HSV	210°, 99%, 73%
XYZ	12.7450, 11.2510, 48.0870
YIQ	75.5070, -84.4100, 9.9420

Conversions

Conversions Part 2

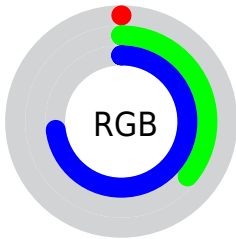
Format	Color
R_{YB}	1, 62, 186
Decimal	89274
CIE _{Lab}	40.00, 14.54, -55.76
CIE _{LCh}	40, 57.620, 284.617
Yxy	11.2510, 0.1768, 0.1561
Android (android.graphics.Color)	4278279354 (0xFF015CBA)
YUV	75.5070, 54.4730, -65.3426
Hunter-Lab	33.5425, 9.1249, -61.5194

Details

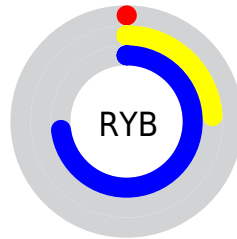
The CIELCh color `40, 57.620, 284.617` is a dark color, and the websafe version is hex `0066CC`. A complement of this color would be `50, 66.853, 61.322`, and the grayscale version is `32, 0.005, 296.813`.

A 20% lighter version of the original color is `60, 57.970, 284.909`, and `23, 55.417, 293.702` is the 20% darker color. If you saturate the color by 10%, you get `40, 57.943, 284.841`, and if you desaturate by 10%, it is `43, 51.780, 280.210`.

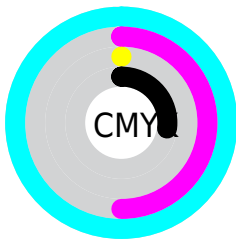
Distribution



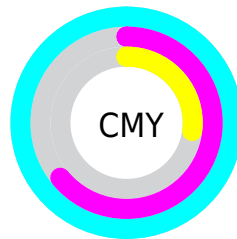
- Red (0%)
- Green (36%)
- Blue (73%)



- Red (0%)
- Yellow (24%)
- Blue (73%)



- Cyan (99%)
- Magenta (50%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (64%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 57.620, 284.617 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 40, 57.620, 284.617 by changing the saturation by 10% instead.


 40, 57.620,
284.617


 40, 57.620,
284.617


 100, 57.620,
284.617


 30, 57.620,
284.617

 60, 57.620,
284.617


 20, 57.620,
284.617

 70, 57.620,
284.617


 10, 57.620,
284.617

 80, 57.620,
284.617

 0, 57.620, 284.617

 90, 57.620,
284.617

 40, 57.620,

 40, 57.620,

284.617

284.617

■ 40, 57.943,
284.841

■ 43, 51.780,
280.210

■ 46, 46.117,
275.898

■ 49, 40.534,
271.961

■ 53, 34.947,
268.488

■ 57, 29.294,
265.497

■ 60, 23.546,
262.957

■ 64, 17.695,
260.817

■ 68, 11.754,
259.021

Harmonies

Complementary

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



40, 57.620, 284.617



50, 66.853, 61.322

Rectangle

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



40, 57.620, 284.617



40, 57.620, 334.617



40, 57.620, 104.617



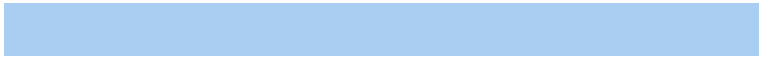
40, 57.620, 154.617

Sweetspot

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



40, 57.620, 284.619



81, 22.295, 261.021



67, 70.112, 149.243



41, 15.293, 261.898



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 57.620, 284.619



51, 71.761, 285.630



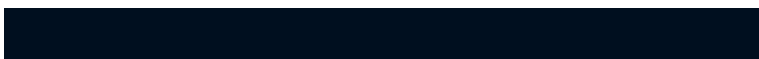
22, 105.396, 306.239



38, 3.476, 257.514



34, 50.695, 284.235



4, 11.641, 269.053

Inverse Universe

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



40, 66.768, 2.543



52, 81.344, 3.555



73, 76.418, 102.862



37, 4.955, 344.798



34, 59.273, 2.159



3, 13.890, 352.057

Previews

White Background



This preview shows how the CIE LCh color 40, 57.620, 284.617 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 CIELCh color 40, 57.620, 284.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

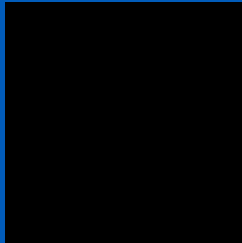
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 57.620, 284.617

Background



This preview shows how black text looks on a background with the CIELCh color 40, 57.620, 284.617.



This preview shows how white text looks on a background with the CIELCh color 40, 57.620, 284.617.

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
40, 25.352, 204.975

Trichromacy



Original Color
40, 57.612, 284.658

Protanomaly
40, 57.472, 286.011

Deuteranomaly
40, 49.196, 278.945

Tritanomaly
39, 29.652, 250.102

Monochromacy



Original Color
40, 57.612, 284.658

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 23.117, 267.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 57.620, 284.617 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(1, 92, 186)` looks like.

```
.text, #text, p{  
    color:rgb(1, 92, 186)  
}
```

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(1, 92, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 92, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 57.620, 284.617 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(1, 92, 186) }
```

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

```
.border{ border-color:rgb(1, 92, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 92, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 92, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 92, 186);  
box-shadow:4px 4px 4px 4px rgb(1, 92, 186)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 57.620, 284.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 92, 186) }
```

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

```
.background{ background-color: rgb(1, 92,  
186) }
```

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