

Converting Colors

CIELCh(38, 65.240, 280.244)

Have a look what the booklet for
CIELCh(38, 65.240, 280.244)
contains.

CIELCh(40, 63.282, 287.345)	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, 63.282, 287.345)

Conversions

Conversions Part 1

Format	Color
Hex	005AC2
RGB	0, 90, 194
RGB Percent	0%, 35%, 76%
CMY	1.0000, 0.6457, 0.2384
CMYK	1.00, 0.53, 0.00, 0.24
HSL	212°, 100%, 38%
HSV	212°, 100%, 76%
XYZ	13.4022, 11.2510, 52.6265
YIQ	74.9460, -87.0240, 13.2640

Conversions

Conversions Part 2

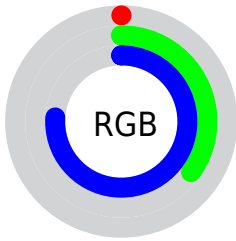
Format	Color
RYB	0, 61, 194
Decimal	23234
CIELab	40.00, 18.87, -60.40
CIELCh	40, 63.282, 287.345
Yxy	11.2510, 0.1734, 0.1456
Android (android.graphics.Color)	4278213314 (0xFF005AC2)
YUV	74.9460, 58.6936, -65.7276
Hunter-Lab	33.5425, 12.6221, -69.5434

Details

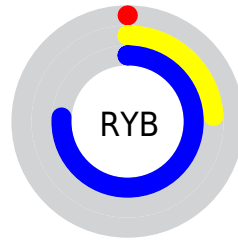
The CIELCh color **40, 63.282, 287.345** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed blue. A complement of this color would be **53, 68.589, 63.401**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.349, 287.565**, and **23, 61.018, 295.871** is the 20% darker color. If you saturate the color by 10%, you get **40, 63.259, 287.466**, and if you desaturate by 10%, it is **43, 56.690, 283.200**.

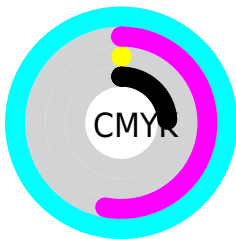
Distribution



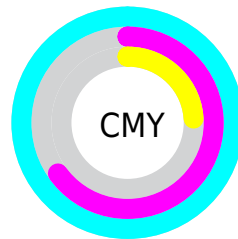
- Red (0%)
- Green (35%)
- Blue (76%)



- Red (0%)
- Yellow (24%)
- Blue (76%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (65%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.282, 287.345 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, 63.282, 287.345 by changing the saturation by 10% instead.


 40, 63.282,
287.345


 40, 63.282,
287.345


 100, 63.282,
287.345


 30, 63.282,
287.345

 60, 63.282,
287.345


 20, 63.282,
287.345

 70, 63.282,
287.345


 10, 63.282,
287.345

 80, 63.282,
287.345

 0, 63.282, 287.345

 90, 63.282,
287.345

 40, 63.282,

 40, 63.282,

287.345

287.345

■ 40, 63.259,
287.466

■ 43, 56.690,
283.200

■ 47, 50.324,
278.968

■ 50, 44.088,
275.064

■ 54, 37.906,
271.592

■ 58, 31.714,
268.582

■ 62, 25.475,
266.013

■ 66, 19.176,
263.839

■ 70, 12.822,
262.006

Harmonies

Complementary

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



40, 63.282, 287.345



53, 68.589, 63.401

Rectangle

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



40, 63.282, 287.345



40, 63.282, 337.345



40, 63.282, 107.345



40, 63.282, 157.345

Sweetspot

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



40, 63.259, 287.466



84, 23.724, 263.934



69, 70.163, 150.796



43, 16.293, 264.831



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 63.259, 287.466



52, 78.328, 288.191



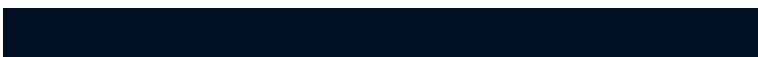
23, 108.856, 306.380



39, 3.637, 260.386



33, 54.172, 286.810



4, 13.303, 272.146

Inverse Universe

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



42, 68.795, 5.521



54, 83.783, 6.341



76, 79.029, 104.921



38, 4.975, 346.326



34, 59.795, 4.802



3, 15.544, 354.407

Previews

White Background



This preview shows how the CIE LCh color 40, 63.282, 287.345 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, 63.282, 287.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

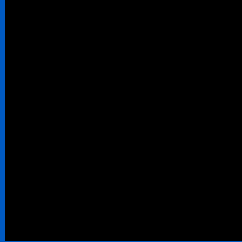
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 63.282, 287.345

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.282, 287.345.



This preview shows how white text looks on a background with the CIELCh color 40, 63.282, 287.345.

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

40, 63.355, 287.569

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 44.348, 274.806



Tritanopia
40, 25.352, 204.975

Trichromacy



Original Color
40, 63.355, 287.569

Protanomaly
40, 62.161, 286.885

Deuteranomaly
40, 50.871, 280.332

Tritanomaly
40, 30.776, 253.178

Monochromacy



Original Color
40, 63.355, 287.569

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 24.756, 269.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.282, 287.345 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, 90, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 194)  
}
```

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, 90, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.282, 287.345 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, 90, 194) }
```

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

```
.border{ border-color:rgb(0, 90, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 90, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 90, 194)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.282, 287.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 194) }
```

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

```
.background{ background-color: rgb(0, 90,  
194) }
```

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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