

Converting Colors

CIELCh(40, 61.449, 286.669)

Have a look what the booklet for
CIELCh(40, 61.449, 286.669)
contains.

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Color

CIELCh(40, 61.594, 286.685)

Conversions

Conversions Part 1

Format	Color
Hex	005BC0
RGB	0, 91, 192
RGB Percent	0%, 36%, 75%
CMY	0.9993, 0.6438, 0.2478
CMYK	1.00, 0.53, 0.00, 0.25
HSL	212°, 100%, 38%
HSV	212°, 100%, 75%
XYZ	13.2205, 11.2510, 51.2272
YIQ	75.3050, -86.6570, 12.1190

Conversions

Conversions Part 2

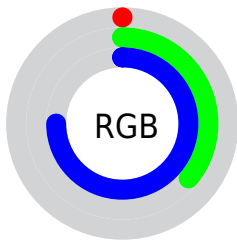
Format	Color
RYB	0, 62, 192
Decimal	23488
CIELab	40.00, 17.68, -59.00
CIELCh	40, 61.594, 286.685
Yxy	11.2510, 0.1746, 0.1486
Android (android.graphics.Color)	4278213568 (0xFF005BC0)
YUV	75.3050, 57.5306, -66.0425
Hunter-Lab	33.5425, 11.6550, -67.0700

Details

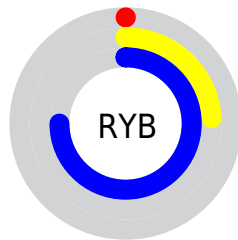
The CIELCh color **40, 61.594, 286.685** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed blue. A complement of this color would be **52, 68.089, 62.772**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 61.696, 286.823**, and **23, 59.127, 295.112** is the 20% darker color. If you saturate the color by 10%, you get **40, 61.654, 286.724**, and if you desaturate by 10%, it is **43, 55.240, 282.380**.

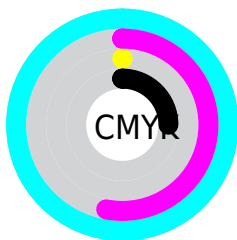
Distribution



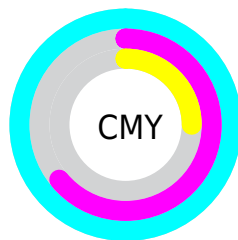
- Red (0%)
- Green (36%)
- Blue (75%)



- Red (0%)
- Yellow (24%)
- Blue (75%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (64%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 61.594, 286.685 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, 61.594, 286.685 by changing the saturation by 10% instead.


 40, 61.594,
286.685


 40, 61.594,
286.685


 100, 61.594,
286.685


 30, 61.594,
286.685

 60, 61.594,
286.685


 20, 61.594,
286.685

 70, 61.594,
286.685

 10, 61.594,
286.685

 80, 61.594,
286.685

 0, 61.594, 286.685

 90, 61.594,
286.685

 40, 61.594,

 40, 61.594,

286.685

■ 40, 61.654,
286.724

286.685

■ 43, 55.240,
282.380

■ 46, 49.084,
278.122

■ 50, 43.045,
274.203

■ 54, 37.043,
270.727

■ 58, 31.016,
267.718

■ 61, 24.926,
265.154

■ 65, 18.764,
262.986

■ 69, 12.537,
261.160

Harmonies

Complementary

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



40, 61.594, 286.685



52, 68.089, 62.772

Rectangle

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



40, 61.594, 286.685



40, 61.594, 336.685



40, 61.594, 106.685



40, 61.594, 156.685

Sweetspot

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



40, 61.594, 286.687



83, 23.329, 263.101



68, 70.692, 149.951



42, 15.884, 263.986



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 61.594, 286.687



52, 76.480, 287.473



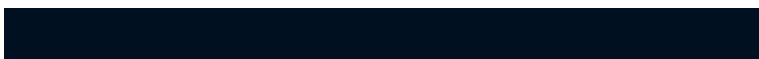
23, 107.882, 306.326



39, 3.612, 259.563



33, 53.343, 286.101



4, 13.193, 271.551

Inverse Universe

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



41, 68.173, 4.670



54, 83.158, 5.529



75, 78.226, 103.889



38, 5.001, 345.875



34, 59.831, 4.045



3, 15.606, 353.938

Previews

White Background



This preview shows how the CIE LCh color 40, 61.594, 286.685 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, 61.594, 286.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

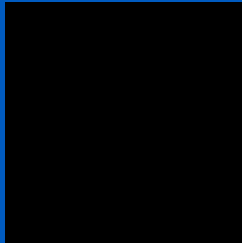
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 61.594, 286.685

Background



This preview shows how black text looks on a background with the CIELCh color 40, 61.594, 286.685.



This preview shows how white text looks on a background with the CIELCh color 40, 61.594, 286.685.

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, 61.601, 286.649

Protanopia

40, 61.486, 287.267

Deuteranopia

40, 44.876, 275.276



Tritanopia
40, 25.352, 204.975

Trichromacy



Original Color
40, 61.601, 286.649

Protanomaly
40, 61.533, 287.012

Deuteranomaly
40, 50.871, 280.332

Tritanomaly
40, 30.393, 252.177

Monochromacy



Original Color
40, 61.601, 286.649

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 24.215, 269.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 61.594, 286.685 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, 91, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 192)  
}
```

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, 91, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 61.594, 286.685 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, 91, 192) }
```

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

```
.border{ border-color:rgb(0, 91, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 91, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 61.594, 286.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 192) }
```

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

```
.background{ background-color: rgb(0, 91,  
192) }
```

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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