

Converting Colors

CIELCh(34, 64.240, 254.884)

Have a look what the booklet for
CIELCh(34, 64.240, 254.884)
contains.

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Color

CIELCh(40, 53.071, 281.704)

Conversions

Conversions Part 1

Format	Color
Hex	005EB4
RGB	0, 94, 180
RGB Percent	0%, 37%, 71%
CMY	1.0000, 0.6321, 0.2950
CMYK	1.00, 0.48, 0.00, 0.30
HSL	209°, 100%, 35%
HSV	209°, 100%, 70%
XYZ	12.1893, 11.2510, 44.5881
YIQ	75.6980, -83.6300, 6.8180

Conversions

Conversions Part 2

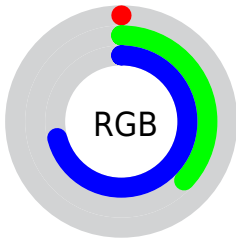
Format	Color
RYB	0, 62, 180
Decimal	24244
CIELab	40.00, 10.77, -51.97
CIELCh	40, 53.071, 281.704
Yxy	11.2510, 0.1792, 0.1654
Android (android.graphics.Color)	4278214324 (0xFF005EB4)
YUV	75.6980, 51.4209, -66.3871
Hunter-Lab	33.5425, 6.1675, -55.3346

Details

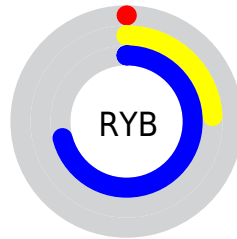
The CIELCh color **40, 53.071, 281.704** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **47, 66.158, 58.914**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 52.662, 281.445**, and **23, 51.058, 291.822** is the 20% darker color. If you saturate the color by 10%, you get **40, 53.063, 281.745**, and if you desaturate by 10%, it is **43, 47.904, 277.224**.

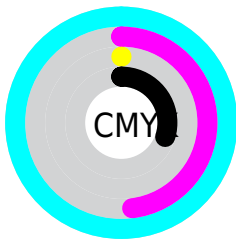
Distribution



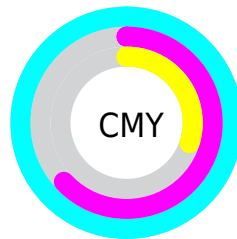
- Red (0%)
- Green (37%)
- Blue (71%)



- Red (0%)
- Yellow (24%)
- Blue (71%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (63%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 53.071, 281.704 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, 53.071, 281.704 by changing the saturation by 10% instead.


 40, 53.071,
281.704


 40, 53.071,
281.704


 100, 53.071,
281.704


 30, 53.071,
281.704

 60, 53.071,
281.704


 20, 53.071,
281.704

 70, 53.071,
281.704

 10, 53.071,
281.704

 80, 53.071,
281.704

 0, 53.071, 281.704

 90, 53.071,
281.704

 40, 53.071,

 40, 53.071,

281.704

281.704

■ 40, 53.063,
281.745

■ 43, 47.904,
277.224

■ 46, 42.901,
272.803

■ 49, 37.928,
268.794

■ 52, 32.896,
265.280

■ 55, 27.745,
262.269

■ 59, 22.448,
259.727

■ 62, 17.007,
257.597

■ 66, 11.436,
255.818

Harmonies

Complementary

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



40, 53.071, 281.704



47, 66.158, 58.914

Rectangle

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



40, 53.071, 281.704



40, 53.071, 331.704



40, 53.071, 101.704



40, 53.071, 151.704

Sweetspot

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



40, 53.063, 281.745



79, 21.104, 257.698



64, 70.763, 147.580



40, 14.329, 258.543



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 53.063, 281.745



52, 65.853, 282.606



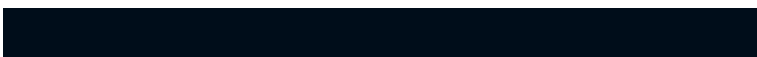
22, 101.393, 305.873



36, 3.245, 254.257



34, 46.544, 281.104



3, 8.635, 264.260

Inverse Universe

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



39, 65.478, 359.856



51, 79.777, 0.627



69, 72.738, 100.715



35, 4.827, 343.203



33, 58.218, 359.300



2, 10.741, 348.645

Previews

White Background



This preview shows how the CIE LCh color 40, 53.071, 281.704 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, 53.071, 281.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

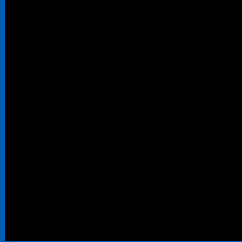
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 53.071, 281.704

Background



This preview shows how black text looks on a background with the CIELCh color 40, 53.071, 281.704.



This preview shows how white text looks on a background with the CIELCh color 40, 53.071, 281.704.

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, 25.277, 206.449

Trichromacy



Original Color
40, 53.071, 281.704

Protanomaly
40, 52.784, 284.319

Deuteranomaly
40, 48.112, 278.158

Tritanomaly
40, 29.042, 247.577

Monochromacy



Original Color
40, 53.071, 281.704

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 22.174, 264.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 53.071, 281.704 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, 94, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 180)  
}
```

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, 94, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 53.071, 281.704 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, 94, 180) }
```

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

```
.border{ border-color:rgb(0, 94, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 94, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 180)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 53.071, 281.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 180) }
```

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

```
.background{ background-color: rgb(0, 94,  
180) }
```

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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