

Converting Colors

CIELCh(33, 68.177, 252.721)

Have a look what the booklet for
CIELCh(33, 68.177, 252.721)
contains.

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Color

CIELCh(40, 54.780, 282.915)

Conversions

Conversions Part 1

Format	Color
Hex	015DB6
RGB	1, 93, 182
RGB Percent	0%, 36%, 71%
CMY	0.9966, 0.6346, 0.2855
CMYK	1.00, 0.49, 0.00, 0.29
HSL	209°, 99%, 36%
HSV	209°, 100%, 71%
XYZ	12.4049, 11.2510, 45.8854
YIQ	75.6380, -83.4010, 8.1750

Conversions

Conversions Part 2

Format	Color
RYB	1, 62, 182
Decimal	89526
CIELab	40.00, 12.24, -53.39
CIELCh	40, 54.780, 282.915
Yxy	11.2510, 0.1784, 0.1618
Android (android.graphics.Color)	4278279606 (0xFF015DB6)
YUV	75.6380, 52.4365, -65.4575
Hunter-Lab	33.5425, 7.3148, -57.6277

Details

The CIELCh color **40, 54.780, 282.915** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **49, 66.227, 59.989**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 54.756, 282.893**, and **23, 52.989, 292.836** is the 20% darker color. If you saturate the color by 10%, you get **40, 55.042, 283.114**, and if you desaturate by 10%, it is **43, 49.345, 278.436**.

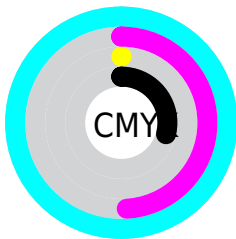
Distribution



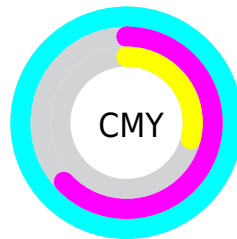
- Red (0%)
- Green (36%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (63%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 54.780, 282.915 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, 54.780, 282.915 by changing the saturation by 10% instead.


 40, 54.780,
282.915


 40, 54.780,
282.915


 100, 54.780,
282.915


 30, 54.780,
282.915

 60, 54.780,
282.915


 20, 54.780,
282.915

 70, 54.780,
282.915

 10, 54.780,
282.915

 80, 54.780,
282.915

 0, 54.780, 282.915

 90, 54.780,
282.915

 40, 54.780,

 40, 54.780,

282.915

■ 40, 55.042,
283.114

282.915

■ 43, 49.345,
278.436

■ 46, 44.071,
274.069

■ 49, 38.847,
270.101

■ 52, 33.586,
266.615

■ 56, 28.228,
263.622

■ 59, 22.746,
261.090

■ 63, 17.137,
258.962

■ 67, 11.416,
257.182

Harmonies

Complementary

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



40, 54.780, 282.915



49, 66.227, 59.989

Rectangle

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



40, 54.780, 282.915



40, 54.780, 332.915



40, 54.780, 102.915



40, 54.780, 152.915

Sweetspot

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



40, 54.780, 282.917



80, 21.551, 259.154



65, 70.133, 148.445



41, 14.771, 260.017



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 54.780, 282.917



52, 68.183, 283.941



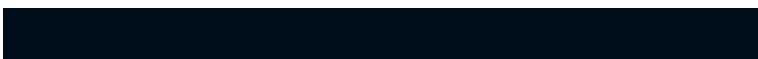
22, 102.959, 306.041



37, 3.353, 255.682



34, 48.391, 282.504



4, 10.127, 266.612

Inverse Universe

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



39, 65.890, 0.918



51, 80.236, 1.875



71, 74.271, 101.813



36, 4.898, 343.884



33, 58.751, 0.534



3, 12.271, 350.268

Previews

White Background



This preview shows how the CIE LCh color 40, 54.780, 282.915 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, 54.780, 282.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

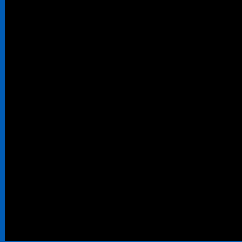
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 54.780, 282.915

Background



This preview shows how black text looks on a background with the CIELCh color 40, 54.780, 282.915.



This preview shows how white text looks on a background with the CIELCh color 40, 54.780, 282.915.

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, 54.772, 282.959

Protanopia

40, 54.275, 287.049

Deuteranopia

40, 45.407, 275.734



Tritanopia
40, 25.352, 204.975

Trichromacy



Original Color
40, 54.772, 282.959

Protanomaly
40, 54.525, 284.853

Deuteranomaly
40, 48.653, 278.556

Tritanomaly
40, 29.042, 247.577

Monochromacy



Original Color
40, 54.772, 282.959

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 22.590, 266.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 54.780, 282.915 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, 93, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 93, 182)  
}
```

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, 93, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 93, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 54.780, 282.915 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, 93, 182) }
```

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

```
.border{ border-color:rgb(1, 93, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 93, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 93, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 93, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 93, 182)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 54.780, 282.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 93, 182) }
```

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

```
.background{ background-color: rgb(1, 93,  
182) }
```

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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