

Converting Colors

CIELCh(40, 52.557, 285.726)

Have a look what the booklet for
CIELCh(40, 52.557, 285.726)
contains.

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Color

CIELCh(40, 52.012, 285.314)

Conversions

Conversions Part 1

Format	Color
Hex	295CB1
RGB	41, 92, 177
RGB Percent	16%, 36%, 69%
CMY	0.8405, 0.6400, 0.3068
CMYK	0.77, 0.48, 0.00, 0.31
HSL	217°, 63%, 43%
HSV	217°, 77%, 69%
XYZ	12.6253, 11.2510, 42.9844
YIQ	86.4410, -57.6810, 15.6230

Conversions

Conversions Part 2

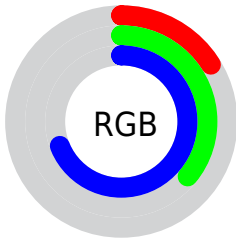
Format	Color
R_{YB}	41, 78, 177
Decimal	2710705
CIE _{Lab}	40.00, 13.74, -50.17
CIE _{LCh}	40, 52.012, 285.314
Yxy	11.2510, 0.1888, 0.1683
Android (android.graphics.Color)	4280900785 (0xFF295CB1)
YUV	86.4410, 44.6456, -39.8518
Hunter-Lab	33.5425, 8.4877, -52.4999

Details

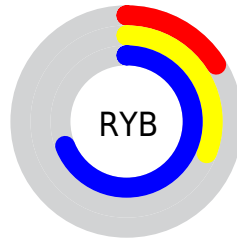
The CIELCh color **40, 52.012, 285.314** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **56, 52.756, 76.782**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 51.658, 285.048**, and **22, 51.258, 292.432** is the 20% darker color. If you saturate the color by 10%, you get **36, 59.321, 289.058**, and if you desaturate by 10%, it is **44, 44.890, 281.841**.

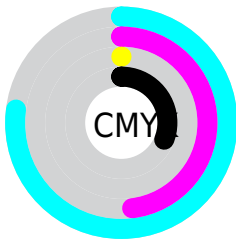
Distribution



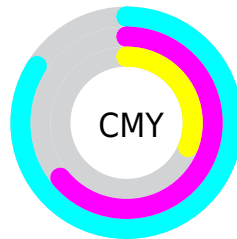
- Red (16%)
- Green (36%)
- Blue (69%)



- Red (16%)
- Yellow (31%)
- Blue (69%)



- Cyan (77%)
- Magenta (48%)
- Yellow (0%)
- Black (31%)





- Cyan (84%)
- Magenta (64%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 52.012, 285.314 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, 52.012, 285.314 by changing the saturation by 10% instead.


 40, 52.012,
285.314


 40, 52.012,
285.314


 100, 52.012,
285.314


 30, 52.012,
285.314

 60, 52.012,
285.314


 20, 52.012,
285.314

 70, 52.012,
285.314


 10, 52.012,
285.314

 80, 52.012,
285.314

 0, 52.012, 285.314

 90, 52.012,
285.314

 40, 52.012,

 40, 52.012,

285.314

■ 36, 59.321,
289.058

■ 33, 66.778,
292.867

■ 32, 69.047,
293.927

285.314

■ 44, 44.890,
281.841

■ 48, 37.931,
278.732

■ 52, 31.098,
276.015

■ 56, 24.356,
273.676

■ 61, 17.685,
271.677

■ 65, 11.080,
269.974

■ 69, 4.539, 268.542

■ 73, 1.935, 87.100

Harmonies

Complementary

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



40, 52.012, 285.314



56, 52.756, 76.782

Rectangle

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



40, 52.012, 285.314



40, 52.012, 335.314



40, 52.012, 105.314



40, 52.012, 155.314

Sweetspot

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



40, 52.012, 285.315



79, 18.604, 271.033



64, 50.723, 160.711



40, 12.885, 271.666



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 52.012, 285.315



45, 78.068, 291.588



28, 83.997, 304.593



35, 3.710, 268.851



28, 61.321, 293.464



3, 9.783, 274.432

Inverse Universe

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



41, 57.144, 3.898



50, 76.698, 10.714



69, 66.351, 109.649



35, 4.398, 351.727



32, 58.099, 13.153



2, 9.985, 356.646

Previews

White Background



This preview shows how the CIE LCh color 40, 52.012, 285.314 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 CIE LCh color 40, 52.012, 285.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

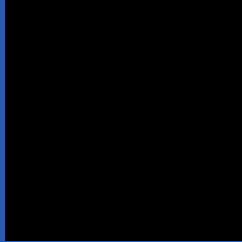
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 52.012, 285.314

Background



This preview shows how black text looks on a background with the CIELCh color 40, 52.012, 285.314.



This preview shows how white text looks on a background with the CIELCh color 40, 52.012, 285.314.

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, 52.012, 285.314

Protanopia

40, 51.902, 286.714

Deuteranopia

40, 45.407, 275.734



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 52.012, 285.314

Protanomaly
40, 51.972, 286.218

Deuteranomaly
40, 47.966, 279.294

Tritanomaly
40, 28.353, 249.419

Monochromacy



Original Color
40, 52.012, 285.314

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 19.855, 274.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 52.012, 285.314 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(41, 92, 177)` looks like.

```
.text, #text, p{  
    color:rgb(41, 92, 177)  
}
```

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(41, 92, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 92, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 52.012, 285.314 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(41, 92, 177) }
```

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

```
.border{ border-color:rgb(41, 92, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 92, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 92, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 92, 177);  
box-shadow:4px 4px 4px 4px rgb(41, 92,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 52.012, 285.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 92, 177) }
```

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

```
.background{ background-color: rgb(41, 92,  
177) }
```

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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