

Converting Colors

CIELCh(40, 56.650, 287.320)

Have a look what the booklet for
CIELCh(40, 56.650, 287.320)
contains.

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Color

CIELCh(40, 56.102, 286.965)

Conversions

Conversions Part 1

Format	Color
Hex	265BB7
RGB	38, 91, 183
RGB Percent	15%, 36%, 72%
CMY	0.8528, 0.6441, 0.2835
CMYK	0.79, 0.50, 0.00, 0.28
HSL	218°, 66%, 43%
HSV	218°, 79%, 72%
XYZ	13.0203, 11.2510, 46.1304
YIQ	85.6410, -61.1200, 17.3760

Conversions

Conversions Part 2

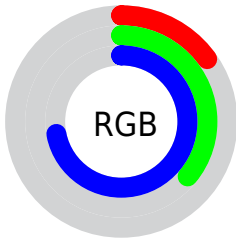
Format	Color
R_{YB}	38, 77, 183
Decimal	2513847
CIE _{Lab}	40.00, 16.37, -53.66
CIE _{LCh}	40, 56.102, 286.965
Yxy	11.2510, 0.1849, 0.1598
Android (android.graphics.Color)	4280703927 (0xFF265BB7)
YUV	85.6410, 47.9980, -41.7812
Hunter-Lab	33.5425, 10.5895, -58.0608

Details

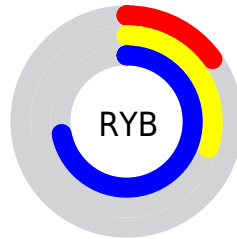
The CIELCh color **40, 56.102, 286.965** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 55.791, 77.114**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 56.003, 286.840**, and **22, 55.020, 294.058** is the 20% darker color. If you saturate the color by 10%, you get **36, 63.806, 290.721**, and if you desaturate by 10%, it is **44, 48.588, 283.432**.

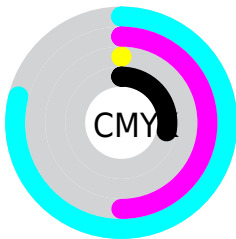
Distribution



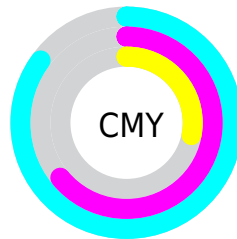
- Red (15%)
- Green (36%)
- Blue (72%)



- Red (15%)
- Yellow (30%)
- Blue (72%)



- Cyan (79%)
- Magenta (50%)
- Yellow (0%)
- Black (28%)





- Cyan (85%)
- Magenta (64%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 56.102, 286.965 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, 56.102, 286.965 by changing the saturation by 10% instead.


 40, 56.102,
286.965


 40, 56.102,
286.965


 100, 56.102,
286.965


 30, 56.102,
286.965

 60, 56.102,
286.965


 20, 56.102,
286.965

 70, 56.102,
286.965


 10, 56.102,
286.965

 80, 56.102,
286.965

 0, 56.102, 286.965

 90, 56.102,
286.965

 40, 56.102,

 40, 56.102,

286.965

■ 36, 63.806,
290.721

■ 33, 71.626,
294.419

■ 33, 72.057,
294.605

286.965

■ 44, 48.588,
283.432

■ 48, 41.264,
280.237

■ 52, 34.091,
277.429

■ 57, 27.034,
275.003

■ 61, 20.069,
272.926

■ 66, 13.183,
271.155

■ 70, 6.373, 269.654

■ 75, 0.359, 87.620

Harmonies

Complementary

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



40, 56.102, 286.965



58, 55.791, 77.114

Rectangle

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



40, 56.102, 286.965



40, 56.102, 336.965



40, 56.102, 106.965



40, 56.102, 156.965

Sweetspot

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



40, 56.102, 286.966



81, 20.159, 271.995



66, 52.261, 161.287



41, 13.988, 272.642



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, 56.102, 286.966



45, 84.340, 293.423



28, 88.696, 305.186



36, 3.835, 269.639



28, 63.137, 294.110



3, 11.499, 276.082

Inverse Universe

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



41, 59.776, 5.581



51, 79.685, 13.195



71, 69.573, 110.462



36, 4.478, 352.317



33, 58.948, 14.103



2, 11.469, 358.214

Previews

White Background



This preview shows how the CIE LCh color 40, 56.102, 286.965 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, 56.102, 286.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

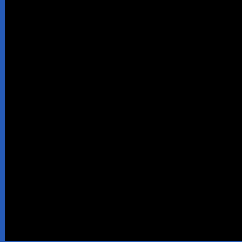
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 56.102, 286.965

Background



This preview shows how black text looks on a background with the CIELCh color 40, 56.102, 286.965.



This preview shows how white text looks on a background with the CIELCh color 40, 56.102, 286.965.

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, 56.102, 286.965

Protanopia

40, 56.102, 286.965

Deuteranopia

40, 44.876, 275.276



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 56.102, 286.965

Protanomaly
40, 56.102, 286.965

Deuteranomaly
40, 49.076, 279.979

Tritanomaly
39, 29.048, 251.836

Monochromacy



Original Color
40, 56.102, 286.965

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 21.694, 276.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 56.102, 286.965 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(38, 91, 183)` looks like.

```
.text, #text, p{  
    color:rgb(38, 91, 183)  
}
```

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(38, 91, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 91, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 56.102, 286.965 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(38, 91, 183) }
```

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

```
.border{ border-color:rgb(38, 91, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 91, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 91, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 91, 183);  
box-shadow:4px 4px 4px 4px rgb(38, 91,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 56.102, 286.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 91, 183) }
```

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

```
.background{ background-color: rgb(38, 91,  
183) }
```

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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