

Converting Colors

CIELCh(40, 57.078, 310.027)

Have a look what the booklet for
CIELCh(40, 57.078, 310.027)
contains.

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Color

CIELCh(40, 56.776, 309.891)

Conversions

Conversions Part 1

Format	Color
Hex	724AA6
RGB	114, 74, 166
RGB Percent	45%, 29%, 65%
CMY	0.5525, 0.7094, 0.3486
CMYK	0.31, 0.55, 0.00, 0.35
HSL	266°, 38%, 47%
HSV	266°, 55%, 65%
XYZ	16.2999, 11.2510, 37.4382
YIQ	96.4480, -5.6920, 37.0920

Conversions

Conversions Part 2

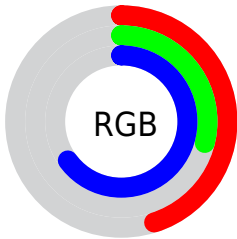
Format	Color
R_{YB}	114, 74, 166
Decimal	7490214
CIE _{Lab}	40.00, 36.41, -43.56
CIE _{LCh}	40, 56.776, 309.891
Yxy	11.2510, 0.2508, 0.1731
Android (android.graphics.Color)	4285680294 (0xFF724AA6)
YUV	96.4480, 34.2891, 15.3931
Hunter-Lab	33.5425, 28.0424, -42.6964

Details

The CIELCh color `40, 56.776, 309.891` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `64, 51.591, 124.208`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 57.047, 310.020`, and `20, 56.524, 309.792` is the 20% darker color. If you saturate the color by 10%, you get `35, 66.962, 310.441`, and if you desaturate by 10%, it is `45, 46.242, 309.279`.

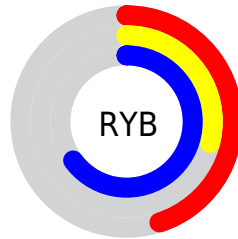
Distribution



Red (45%)

Green (29%)

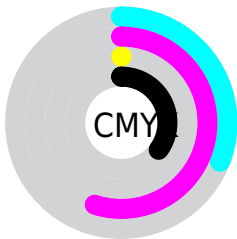
Blue (65%)



Red (45%)

Yellow (29%)

Blue (65%)

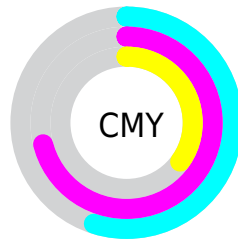


Cyan (31%)

Magenta (55%)

Yellow (0%)

Black (35%)



Cyan (55%)


Magenta (71%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 56.776, 309.891 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, 56.776, 309.891 by changing the saturation by 10% instead.


 40, 56.776,
309.891


 40, 56.776,
309.891


 100, 56.776,
309.891


 30, 56.776,
309.891

 60, 56.776,
309.891


 20, 56.776,
309.891

 70, 56.776,
309.891

 10, 56.776,
309.891

 80, 56.776,
309.891

 0, 56.776, 309.891

 90, 56.776,
309.891

 40, 56.776,

 40, 56.776,

309.891

■ 35, 66.962,
310.441

■ 31, 76.294,
310.843

■ 28, 84.064,
310.982

■ 25, 89.537,
310.738

■ 24, 91.708,
310.606

309.891

■ 45, 46.242,
309.279

■ 50, 35.678,
308.658

■ 55, 25.263,
308.062

■ 60, 15.093,
307.507

■ 65, 5.211, 306.994

■ 71, 4.366, 126.580

■ 76, 13.638,
126.168

■ 81, 22.613,
125.815

■ 86, 31.305,
125.508

Harmonies

Complementary

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



40, 56.776, 309.891



64, 51.591, 124.208

Rectangle

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



40, 56.776, 309.891



40, 56.776, 359.891



40, 56.776, 129.891



40, 56.776, 179.891

Sweetspot

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



40, 56.775, 309.891



76, 20.759, 307.610



51, 27.141, 258.207



39, 14.036, 307.715



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



40, 56.775, 309.891



46, 83.824, 310.529



46, 59.493, 325.188



33, 5.558, 307.191



21, 84.122, 310.712



1, 9.902, 304.559

Inverse Universe

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



45, 45.366, 345.767



54, 64.608, 347.591



61, 59.505, 138.577



33, 4.736, 340.972



32, 57.576, 355.292



2, 8.117, 344.238

Previews

White Background



This preview shows how the CIELCh color 40, 56.776, 309.891 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, 56.776, 309.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

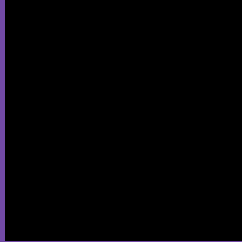
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 56.776, 309.891

Background



This preview shows how black text looks on a background with the CIELCh color 40, 56.776, 309.891.

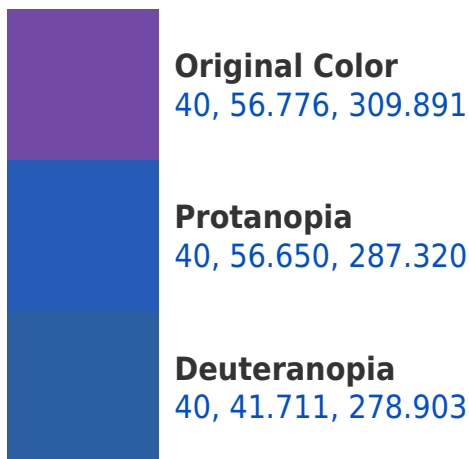


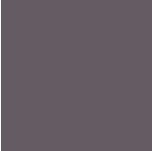
This preview shows how white text looks on a background with the CIELCh color 40, 56.776, 309.891.

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, 5.704, 331.811

Trichromacy



Original Color
40, 56.776, 309.891

Protanomaly
39, 55.931, 293.279

Deuteranomaly
39, 46.394, 290.864

Tritanomaly
40, 24.638, 312.240

Monochromacy



Original Color
40, 56.776, 309.891

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 20.902, 307.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 56.776, 309.891 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(114, 74, 166)` looks like.

```
.text, #text, p{  
    color:rgb(114, 74, 166)  
}
```

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(114, 74, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 74, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 56.776, 309.891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

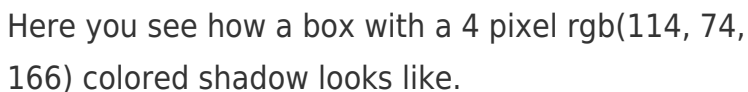
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 74, 166) }
```

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

```
.border{ border-color:rgb(114, 74, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 74, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 74, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 74, 166); box-shadow:4px 4px 4px 4px rgb(114, 74, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 56.776, 309.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 74, 166) }
```

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

```
.background{ background-color: rgb(114, 74,  
166) }
```

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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