

Converting Colors

CIELCh(41, 63.942, 303.034)

Have a look what the booklet for
CIELCh(41, 63.942, 303.034)
contains.

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Color

CIELCh(41, 63.942, 303.034)

Conversions

Conversions Part 1

Format	Color
Hex	6350BA
RGB	99, 80, 186
RGB Percent	39%, 31%, 73%
CMY	0.6130, 0.6873, 0.2718
CMYK	0.47, 0.57, 0.00, 0.27
HSL	251°, 43%, 52%
HSV	251°, 57%, 73%
XYZ	16.7898, 11.8645, 47.6853
YIQ	97.7650, -22.7020, 36.9940

Conversions

Conversions Part 2

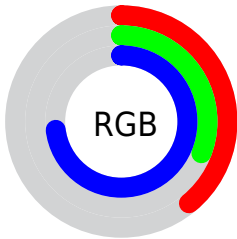
Format	Color
R_{YB}	99, 80, 186
Decimal	6508730
CIE _{Lab}	41.00, 34.86, -53.61
CIE _{LCh}	41, 63.942, 303.034
Yxy	11.8645, 0.2199, 0.1554
Android (android.graphics.Color)	4284698810 (0xFF6350BA)
YUV	97.7650, 43.4999, 1.0831
Hunter-Lab	34.4449, 26.7290, -57.9692

Details

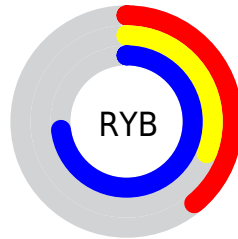
The CIELCh color **41, 63.942, 303.034** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **72, 55.045, 113.368**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 63.947, 302.981**, and **21, 64.117, 303.035** is the 20% darker color. If you saturate the color by 10%, you get **35, 75.861, 304.373**, and if you desaturate by 10%, it is **47, 51.937, 301.729**.

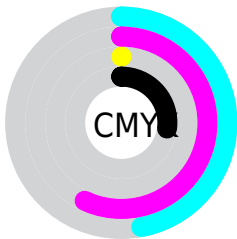
Distribution



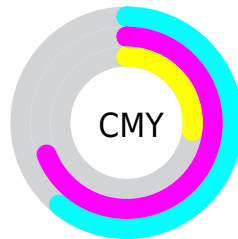
- Red (39%)
- Green (31%)
- Blue (73%)



- Red (39%)
- Yellow (31%)
- Blue (73%)



- Cyan (47%)
- Magenta (57%)
- Yellow (0%)
- Black (27%)





- Cyan (61%)
- Magenta (69%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 63.942, 303.034 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 41, 63.942, 303.034 by changing the saturation by 10% instead.


 41, 63.942,
303.034


 41, 63.942,
303.034


 100, 63.942,
303.034


 31, 63.942,
303.034

 61, 63.942,
303.034


 21, 63.942,
303.034

 71, 63.942,
303.034


 11, 63.942,
303.034


 81, 63.942,
303.034

 1, 63.942, 303.034

 91, 63.942,
303.034

 0, 63.942, 303.034

 41, 63.942,

 41, 63.942,

303.034

■ 35, 75.861,
304.373

■ 31, 87.035,
305.610

■ 27, 96.343,
306.539

■ 24, 102.564,
306.965

■ 23, 104.116,
307.087

303.034

■ 47, 51.937,
301.729

■ 53, 40.172,
300.525

■ 59, 28.778,
299.450

■ 65, 17.798,
298.507

■ 71, 7.231, 297.689

■ 77, 2.939, 116.985

■ 83, 12.735,
116.376

■ 89, 22.180,
115.854

■ 95, 31.299,
115.405

Harmonies

Complementary

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



41, 63.942, 303.034



72, 55.045, 113.368

Rectangle

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



41, 63.942, 303.034



41, 63.942, 353.034



41, 63.942, 123.034



41, 63.942, 173.034

Sweetspot

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



41, 63.942, 303.035



83, 22.019, 298.527



64, 27.296, 218.794



43, 14.905, 298.707



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 63.942, 303.035



46, 95.548, 304.643



47, 64.868, 316.988



36, 5.771, 297.864



18, 91.228, 307.173



1, 15.466, 295.463

Inverse Universe

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



51, 59.788, 333.491



61, 84.287, 334.349



69, 61.915, 131.905



36, 6.104, 330.339



35, 69.622, 336.764



3, 15.702, 332.820

Previews

White Background



This preview shows how the CIELCh color 41, 63.942, 303.034 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 41, 63.942, 303.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

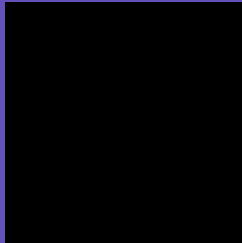
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 63.942, 303.034

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.942, 303.034.




This preview shows how white text looks on a background with the CIELCh color 41, 63.942, 303.034.

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
41, 9.795, 228.423

Trichromacy



Original Color
41, 63.942, 303.034

Protanomaly
40, 64.288, 290.396

Deuteranomaly
40, 52.686, 284.908

Tritanomaly
40, 26.208, 288.112

Monochromacy



Original Color
41, 63.942, 303.034

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 23.341, 299.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.942, 303.034 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(99, 80, 186)` looks like.

```
.text, #text, p{  
    color:rgb(99, 80, 186)  
}
```

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(99, 80, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 80, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.942, 303.034 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(99, 80, 186) }
```

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

```
.border{ border-color:rgb(99, 80, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 80, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 80, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 80, 186);  
box-shadow:4px 4px 4px 4px rgb(99, 80,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.942, 303.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 80, 186) }
```

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

```
.background{ background-color: rgb(99, 80,  
186) }
```

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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