

Converting Colors

CIELCh(39, 29.937, 307.596)

Have a look what the booklet for
CIELCh(39, 29.937, 307.596)
contains.

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Color

CIELCh(39, 29.721, 307.655)

Conversions

Conversions Part 1

Format	Color
Hex	665382
RGB	102, 83, 130
RGB Percent	40%, 33%, 51%
CMY	0.5994, 0.6739, 0.4896
CMYK	0.22, 0.36, 0.00, 0.49
HSL	264°, 22%, 42%
HSV	264°, 36%, 51%
XYZ	12.6416, 10.6589, 22.5663
YIQ	94.0390, -3.7630, 18.6450

Conversions

Conversions Part 2

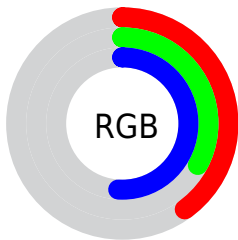
Format	Color
R_{YB}	102, 83, 130
Decimal	6706050
CIE _{Lab}	39.00, 18.16, -23.53
CIE _{LCh}	39, 29.721, 307.655
Yxy	10.6589, 0.2756, 0.2324
Android (android.graphics.Color)	4284896130 (0xFF665382)
YUV	94.0390, 17.7288, 6.9818
Hunter-Lab	32.6480, 11.9826, -18.1276

Details

The CIELCh color $39, 29.721, 307.655$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 27.977, 123.904$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 29.440, 307.685$, and $19, 29.300, 307.818$ is the 20% darker color. If you saturate the color by 10%, you get $35, 38.384, 308.308$, and if you desaturate by 10%, it is $43, 21.199, 307.034$.

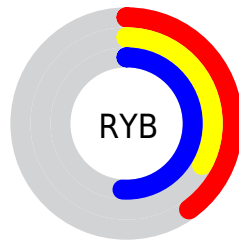
Distribution



Red (40%)

Green (33%)

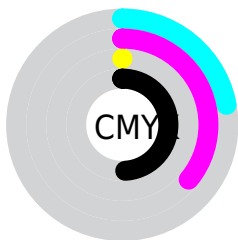
Blue (51%)



Red (40%)

Yellow (33%)

Blue (51%)

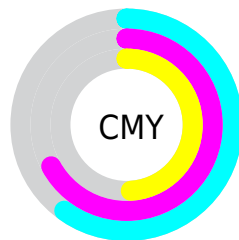


Cyan (22%)

Magenta (36%)

Yellow (0%)

Black (49%)



Cyan (60%)


Magenta (67%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 29.721, 307.655 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 39, 29.721, 307.655 by changing the saturation by 10% instead.

 39, 29.721,
307.655


 39, 29.721,
307.655

 100, 29.721,
307.655


 29, 29.721,
307.655

 59, 29.721,
307.655


 19, 29.721,
307.655


 69, 29.721,
307.655

 9, 29.721, 307.655

 79, 29.721,
307.655

 0, 29.721, 307.655

 89, 29.721,
307.655

 99, 29.721,
307.655

■ 39, 29.721,
307.655

■ 39, 29.721,
307.655

■ 35, 38.384,
308.308

■ 43, 21.199,
307.034

■ 31, 47.059,
308.965

■ 48, 12.889,
306.460

■ 27, 55.509,
309.575

■ 52, 4.820, 305.935

■ 23, 63.347,
310.057

■ 56, 2.999, 125.506

■ 21, 70.011,
310.298

■ 60, 10.570,
125.082

■ 18, 75.071,
310.233

■ 65, 17.899,
124.721

■ 17, 77.036,
310.260

■ 69, 24.999,
124.406

■ 73, 31.880,
124.133

■ 77, 38.554,
123.897

Harmonies

Complementary

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



39, 29.721, 307.655



52, 27.977, 123.904

Rectangle

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



39, 29.721, 307.655



39, 29.721, 357.655



39, 29.721, 127.655



39, 29.721, 177.655

Sweetspot

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



39, 29.720, 307.655



63, 10.773, 306.199



46, 14.639, 248.956



32, 7.217, 306.257



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



39, 29.720, 307.655



46, 44.058, 308.166



42, 32.449, 323.376



26, 4.531, 306.090



17, 76.989, 310.261



0, 1.071, 305.656

Inverse Universe

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



41, 25.309, 341.779



50, 36.988, 342.573



50, 32.244, 139.544



26, 3.967, 339.457



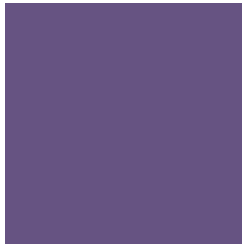
28, 53.204, 352.266



0, 0.942, 338.830

Previews

White Background



This preview shows how the CIELCh color 39, 29.721, 307.655 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 39, 29.721, 307.655 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 39, 29.721, 307.655

Background



This preview shows how black text looks on a background with the CIELCh color 39, 29.721, 307.655.



This preview shows how white text looks on a background with the CIELCh color 39, 29.721, 307.655.

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


39, 29.721, 307.655

Protanopia

39, 28.297, 285.809

Deuteranopia

39, 23.454, 283.660



Tritanopia
39, 4.988, 320.776

Trichromacy



Original Color
39, 29.721, 307.655

Protanomaly
39, 28.172, 293.013

Deuteranomaly
39, 25.141, 293.174

Tritanomaly
39, 13.536, 309.098

Monochromacy



Original Color
39, 29.721, 307.655

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 10.821, 306.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 29.721, 307.655 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(102, 83, 130)` looks like.

```
.text, #text, p{  
    color:rgb(102, 83, 130)  
}
```

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(102, 83, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 83, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 29.721, 307.655 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(102, 83, 130) }
```

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

```
.border{ border-color:rgb(102, 83, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 83, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 83, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 83, 130); box-shadow:4px 4px 4px 4px rgb(102, 83, 130) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 29.721, 307.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 83, 130) }
```

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

```
.background{ background-color: rgb(102, 83,  
130) }
```

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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