

Converting Colors

CIELCh(32, 42.754, 309.515)

Have a look what the booklet for
CIELCh(32, 42.754, 309.515)
contains.

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Color

CIELCh(32, 42.689, 309.749)

Conversions

Conversions Part 1

Format	Color
Hex	5A3D7F
RGB	90, 61, 127
RGB Percent	35%, 24%, 50%
CMY	0.6461, 0.7599, 0.5010
CMYK	0.29, 0.52, 0.00, 0.50
HSL	266°, 35%, 37%
HSV	266°, 52%, 50%
XYZ	9.7668, 7.0852, 21.0146
YIQ	77.1950, -3.9020, 26.6740

Conversions

Conversions Part 2

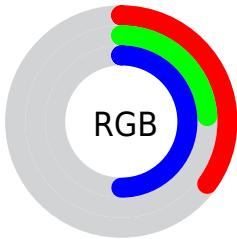
Format	Color
RYB	90, 61, 127
Decimal	5913983
CIELab	32.00, 27.30, -32.82
CIELCh	32, 42.689, 309.749
Yxy	7.0852, 0.2579, 0.1871
Android (android.graphics.Color)	4284104063 (0xFF5A3D7F)
YUV	77.1950, 24.5539, 11.2300
Hunter-Lab	26.6180, 18.9144, -28.1762

Details

The CIELCh color $32, 42.689, 309.749$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $50, 39.194, 124.554$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 42.804, 309.886$, and $12, 42.240, 309.819$ is the 20% darker color. If you saturate the color by 10%, you get $28, 51.047, 310.315$, and if you desaturate by 10%, it is $36, 34.185, 309.150$.

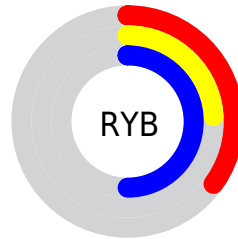
Distribution



Red (35%)

Green (24%)

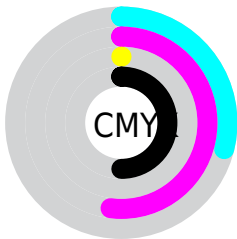
Blue (50%)



Red (35%)

Yellow (24%)

Blue (50%)

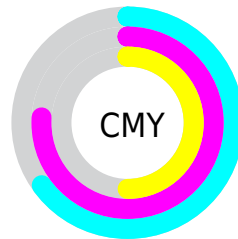


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (50%)



Cyan (65%)


Magenta (76%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 42.689, 309.749 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 32, 42.689, 309.749 by changing the saturation by 10% instead.


 32, 42.689,
309.749


 32, 42.689,
309.749

 100, 42.689,
309.749


 22, 42.689,
309.749

 52, 42.689,
309.749


 12, 42.689,
309.749


 62, 42.689,
309.749

 2, 42.689, 309.749

 72, 42.689,
309.749

 0, 42.689, 309.749

 82, 42.689,
309.749

 92, 42.689,
309.749

■ 32, 42.689,
309.749

■ 32, 42.689,
309.749

■ 28, 51.047,
310.315

■ 36, 34.185,
309.150

■ 25, 58.947,
310.784

■ 40, 25.729,
308.557

■ 22, 65.919,
311.060

■ 44, 17.425,
307.995

■ 19, 71.378,
311.029

■ 48, 9.328, 307.474

■ 17, 75.226,
310.961

■ 53, 1.464, 306.965

■ 57, 6.160, 126.604

■ 61, 13.547,
126.226

■ 65, 20.705,
125.896

■ 69, 27.642,
125.609

Harmonies

Complementary

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



32, 42.689, 309.749



50, 39.194, 124.554

Rectangle

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



32, 42.689, 309.749



32, 42.689, 359.749



32, 42.689, 129.749



32, 42.689, 179.749

Sweetspot

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



32, 42.688, 309.749



60, 15.687, 307.703



40, 20.629, 256.869



30, 10.700, 307.792



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



32, 42.688, 309.749



37, 63.463, 310.398



36, 45.278, 325.017



25, 4.412, 307.336



17, 75.337, 310.959



0, 0.000, 0.000

Inverse Universe

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



36, 34.412, 345.406



43, 49.629, 347.021



48, 45.214, 139.017



25, 3.745, 341.172



27, 51.721, 355.177



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 32, 42.689, 309.749 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 32, 42.689, 309.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

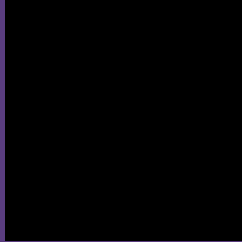
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 42.689, 309.749

Background



This preview shows how black text looks on a background with the CIELCh color 32, 42.689, 309.749.



This preview shows how white text looks on a background with the CIELCh color 32, 42.689, 309.749.

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

32, 42.689, 309.749

Protanopia

32, 41.896, 286.433

Deuteranopia

32, 31.053, 278.792



Tritanopia
32, 5.167, 332.889

Trichromacy



Original Color
32, 42.689, 309.749

Protanomaly
32, 41.704, 293.564

Deuteranomaly
32, 34.207, 290.815

Tritanomaly
32, 18.826, 311.549

Monochromacy



Original Color
32, 42.689, 309.749

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 15.918, 308.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 42.689, 309.749 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(90, 61, 127)` looks like.

```
.text, #text, p{  
    color:rgb(90, 61, 127)  
}
```

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(90, 61, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 61, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 42.689, 309.749 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(90, 61, 127) }
```

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

```
.border{ border-color:rgb(90, 61, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 61, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 61, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 61, 127);  
box-shadow:4px 4px 4px 4px rgb(90, 61,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 42.689, 309.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 61, 127) }
```

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

```
.background{ background-color: rgb(90, 61,  
127) }
```

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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