

Converting Colors

CIELCh(42, 54.080, 309.947)

Have a look what the booklet for
CIELCh(42, 54.080, 309.947)
contains.

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Color

CIELCh(42, 54.147, 309.964)

Conversions

Conversions Part 1

Format	Color
Hex	7750A8
RGB	119, 80, 168
RGB Percent	47%, 31%, 66%
CMY	0.5331, 0.6861, 0.3410
CMYK	0.29, 0.52, 0.00, 0.34
HSL	267°, 35%, 49%
HSV	267°, 52%, 66%
XYZ	17.5611, 12.5000, 38.5609
YIQ	101.6930, -5.0040, 35.6360

Conversions

Conversions Part 2

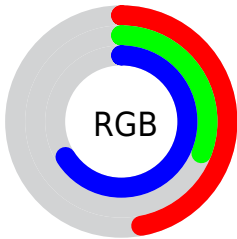
Format	Color
R _Y B	119, 80, 168
Decimal	7819432
CIE Lab	42.00, 34.78, -41.50
CIE LCh	42, 54.147, 309.964
Yxy	12.5000, 0.2559, 0.1822
Android (android.graphics.Color)	4286009512 (0xFF7750A8)
YUV	101.6930, 32.6894, 15.1782
Hunter-Lab	35.3553, 26.7897, -39.9169

Details

The CIELCh color $42, 54.147, 309.964$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $64, 49.581, 124.627$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 54.577, 310.173$, and $22, 53.935, 310.072$ is the 20% darker color. If you saturate the color by 10%, you get $37, 64.555, 310.524$, and if you desaturate by 10%, it is $47, 43.487, 309.358$.

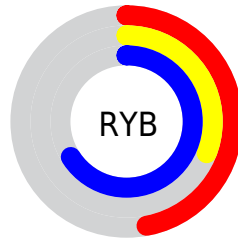
Distribution



Red (47%)

Green (31%)

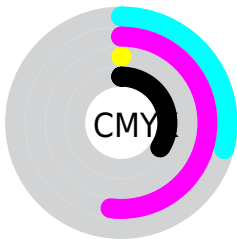
Blue (66%)



Red (47%)

Yellow (31%)

Blue (66%)

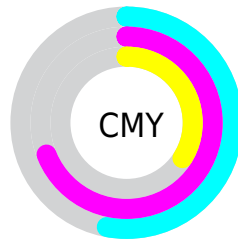


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (34%)



Cyan (53%)


Magenta (69%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 54.147, 309.964 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 42, 54.147, 309.964 by changing the saturation by 10% instead.


 42, 54.147,
309.964

 42, 54.147,
309.964


 100, 54.147,
309.964

 32, 54.147,
309.964

 62, 54.147,
309.964


 22, 54.147,
309.964

 72, 54.147,
309.964

 12, 54.147,
309.964

 82, 54.147,
309.964

 2, 54.147, 309.964

 92, 54.147,
309.964

 0, 54.147, 309.964

 42, 54.147,

 42, 54.147,

309.964

■ 37, 64.555,
310.524

■ 33, 74.261,
310.962

■ 29, 82.607,
311.173

■ 26, 88.815,
311.030

■ 25, 92.352,
310.762

309.964

■ 47, 43.487,
309.358

■ 52, 32.853,
308.753

■ 57, 22.398,
308.177

■ 62, 12.204,
307.642

■ 68, 2.305, 307.130

■ 73, 7.286, 126.749

■ 78, 16.572,
126.362

■ 83, 25.563,
126.026

■ 88, 34.271,
125.733

Harmonies

Complementary

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



42, 54.147, 309.964



64, 49.581, 124.627

Rectangle

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



42, 54.147, 309.964



42, 54.147, 359.964



42, 54.147, 129.964



42, 54.147, 179.964

Sweetspot

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



42, 54.146, 309.964



77, 19.723, 307.847



52, 26.051, 257.348



39, 13.334, 307.952



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 54.146, 309.964



48, 80.920, 310.614



47, 57.166, 325.082



33, 5.566, 307.486



21, 83.976, 310.878



1, 9.915, 304.823

Inverse Universe

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



47, 43.370, 345.846



56, 62.723, 347.607



62, 57.117, 138.856



33, 4.708, 341.391



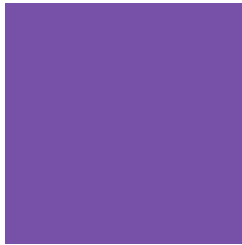
32, 57.404, 356.028



2, 8.073, 344.666

Previews

White Background



This preview shows how the CIELCh color 42, 54.147, 309.964 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 42, 54.147, 309.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

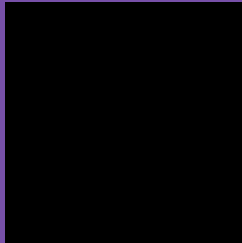
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 54.147, 309.964

Background



This preview shows how black text looks on a background with the CIELCh color 42, 54.147, 309.964.



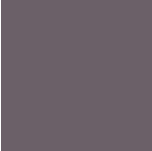
This preview shows how white text looks on a background with the CIELCh color 42, 54.147, 309.964.

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
42, 6.663, 333.819

Trichromacy



Original Color
42, 54.147, 309.964

Protanomaly
41, 53.047, 294.005

Deuteranomaly
42, 43.494, 291.329

Tritanomaly
42, 23.877, 312.652

Monochromacy



Original Color
42, 54.147, 309.964

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 20.147, 308.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 54.147, 309.964 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(119, 80, 168)` looks like.

```
.text, #text, p{  
    color:rgb(119, 80, 168)  
}
```

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(119, 80, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 80, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 54.147, 309.964 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(119, 80, 168) }
```

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

```
.border{ border-color:rgb(119, 80, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 80, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 80, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 80, 168);  
box-shadow:4px 4px 4px 4px rgb(119, 80,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 54.147, 309.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 80, 168) }
```

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

```
.background{ background-color: rgb(119, 80,  
168) }
```

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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