

Converting Colors

CIELCh(38, 49.726, 320.252)

Have a look what the booklet for
CIELCh(38, 49.726, 320.252)
contains.

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Color

CIELCh(38, 49.768, 320.262)

Conversions

Conversions Part 1

Format	Color
Hex	7C418D
RGB	124, 65, 141
RGB Percent	49%, 25%, 55%
CMY	0.5119, 0.7434, 0.4452
CMYK	0.12, 0.54, 0.00, 0.45
HSL	287°, 37%, 41%
HSV	287°, 54%, 55%
XYZ	15.1383, 10.0881, 26.5311
YIQ	91.3050, 10.7680, 36.1440

Conversions

Conversions Part 2

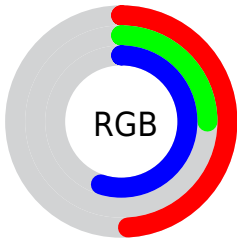
Format	Color
R_{YB}	124, 65, 141
Decimal	8143245
CIE _{Lab}	38.00, 38.27, -31.82
CIE _{LCh}	38, 49.768, 320.262
Yxy	10.0881, 0.2925, 0.1949
Android (android.graphics.Color)	4286333325 (0xFF7C418D)
YUV	91.3050, 24.4996, 28.6735
Hunter-Lab	31.7617, 29.4937, -27.2929

Details

The CIELCh color $38, 49.768, 320.262$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $53, 48.612, 135.152$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 49.933, 320.203$, and $18, 49.525, 320.514$ is the 20% darker color. If you saturate the color by 10%, you get $35, 57.956, 320.510$, and if you desaturate by 10%, it is $41, 40.865, 319.924$.

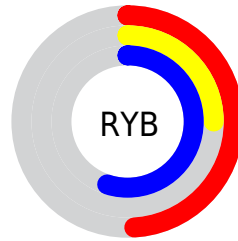
Distribution



Red (49%)

Green (25%)

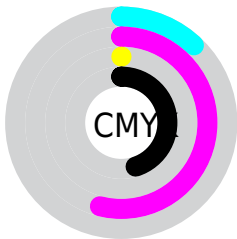
Blue (55%)



Red (49%)

Yellow (25%)

Blue (55%)

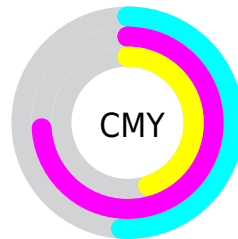


Cyan (12%)

Magenta (54%)

Yellow (0%)

Black (45%)



Cyan (51%)

Magenta (74%)


Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 49.768, 320.262 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 38, 49.768, 320.262 by changing the saturation by 10% instead.

 38, 49.768,
320.262

 38, 49.768,
320.262

 100, 49.768,
320.262

 28, 49.768,
320.262

 58, 49.768,
320.262

 18, 49.768,
320.262

 68, 49.768,
320.262

 8, 49.768, 320.262

 78, 49.768,
320.262

 0, 49.768, 320.262

 88, 49.768,
320.262

 98, 49.768,
320.262

38, 49.768,
320.262

38, 49.768,
320.262

35, 57.956,
320.510

41, 40.865,
319.924

32, 65.035,
320.623

45, 31.578,
319.529

30, 70.586,
320.557

49, 22.144,
319.105

28, 74.295,
320.271

53, 12.729,
318.670

27, 76.171,
320.050

57, 3.438, 318.213

61, 5.663, 137.879

66, 14.538,
137.475

70, 23.170,
137.110

■ 74, 31.554,
136.774

Harmonies

Complementary

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



38, 49.768, 320.262



53, 48.612, 135.152

Rectangle

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



38, 49.768, 320.262



38, 49.768, 10.262



38, 49.768, 140.262



38, 49.768, 190.262

Sweetspot

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



38, 49.767, 320.262



67, 18.370, 318.784



37, 36.170, 287.431



34, 12.375, 318.861



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



38, 49.767, 320.262



45, 71.696, 320.538



39, 43.077, 336.857



28, 5.249, 318.470



26, 73.675, 320.081



0, 3.517, 318.100

Inverse Universe

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



38, 34.459, 8.902



45, 50.587, 11.896



53, 42.989, 148.049



28, 3.387, 2.242



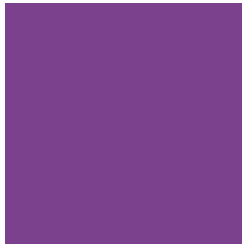
27, 56.426, 26.043



0, 2.239, 1.469

Previews

White Background



This preview shows how the CIELCh color 38, 49.768, 320.262 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 38, 49.768, 320.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

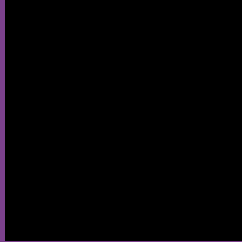
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 49.768, 320.262

Background



This preview shows how black text looks on a background with the CIELCh color 38, 49.768, 320.262.



This preview shows how white text looks on a background with the CIELCh color 38, 49.768, 320.262.

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

38, 49.768, 320.262

Protanopia

39, 45.561, 286.065

Deuteranopia

38, 29.342, 280.489



Tritanopia
38, 16.705, 9.478

Trichromacy



Original Color
38, 49.768, 320.262

Protanomaly
37, 46.104, 296.938

Deuteranomaly
38, 35.889, 299.185

Tritanomaly
38, 26.124, 337.422

Monochromacy



Original Color
38, 49.768, 320.262

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 19.368, 319.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 49.768, 320.262 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(124, 65, 141)` looks like.

```
.text, #text, p{  
    color:rgb(124, 65, 141)  
}
```

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(124, 65, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 65, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 49.768, 320.262 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(124, 65, 141) }
```

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

```
.border{ border-color:rgb(124, 65, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 65, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 65, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 65, 141);  
box-shadow:4px 4px 4px 4px rgb(124, 65,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 49.768, 320.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 65, 141) }
```

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

```
.background{ background-color: rgb(124, 65,  
141) }
```

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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