

Converting Colors

CIELCh(44, 38.232, 307.928)

Have a look what the booklet for
CIELCh(44, 38.232, 307.928)
contains.

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Color

CIELCh(44, 38.232, 307.928)

Conversions

Conversions Part 1

Format	Color
Hex	755C9A
RGB	117, 92, 154
RGB Percent	46%, 36%, 60%
CMY	0.5402, 0.6383, 0.3950
CMYK	0.24, 0.40, 0.00, 0.40
HSL	264°, 25%, 48%
HSV	264°, 40%, 60%
XYZ	17.0739, 13.8382, 32.4593
YIQ	106.5430, -5.0020, 24.5820

Conversions

Conversions Part 2

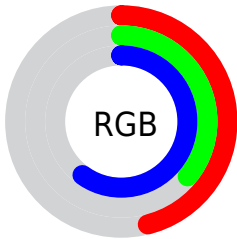
Format	Color
R_{YB}	117, 92, 154
Decimal	7691418
CIE _{Lab}	44.00, 23.50, -30.16
CIE _{LCh}	44, 38.232, 307.928
Yxy	13.8382, 0.2694, 0.2184
Android (android.graphics.Color)	4285881498 (0xFF755C9A)
YUV	106.5430, 23.3963, 9.1708
Hunter-Lab	37.1997, 16.8284, -25.6947

Details

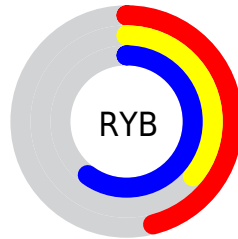
The CIELCh color $44, 38.232, 307.928$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 35.657, 123.642$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 38.095, 307.602$, and $24, 38.289, 308.314$ is the 20% darker color. If you saturate the color by 10%, you get $39, 48.218, 308.600$, and if you desaturate by 10%, it is $49, 28.350, 307.278$.

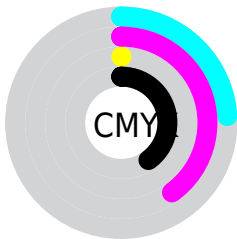
Distribution



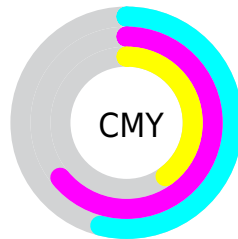
- Red (46%)
- Green (36%)
- Blue (60%)



- Red (46%)
- Yellow (36%)
- Blue (60%)



- Cyan (24%)
- Magenta (40%)
- Yellow (0%)
- Black (40%)



- Cyan (54%)
- Magenta (64%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 38.232, 307.928 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 44, 38.232, 307.928 by changing the saturation by 10% instead.


 44, 38.232,
307.928

 44, 38.232,
307.928


 100, 38.232,
307.928

 34, 38.232,
307.928

 64, 38.232,
307.928

 24, 38.232,
307.928

 74, 38.232,
307.928

 14, 38.232,
307.928

 84, 38.232,
307.928

 4, 38.232, 307.928

 94, 38.232,
307.928

 0, 38.232, 307.928

 44, 38.232,

 44, 38.232,

307.928

39, 48.218,
308.600

35, 58.105,
309.253

31, 67.528,
309.821

27, 75.923,
310.201

24, 82.543,
310.261

21, 87.356,
310.075

307.928

49, 28.350,
307.278

54, 18.687,
306.672

59, 9.294, 306.118

64, 0.191, 305.263

69, 8.621, 125.203

73, 17.147,
124.815

78, 25.400,
124.478

83, 33.393,
124.186

88, 41.140,

123.934

Harmonies

Complementary

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



44, 38.232, 307.928



60, 35.657, 123.642

Rectangle

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



44, 38.232, 307.928



44, 38.232, 357.928



44, 38.232, 127.928



44, 38.232, 177.928

Sweetspot

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



44, 38.231, 307.928



74, 13.627, 306.226



52, 18.550, 249.904



38, 9.127, 306.291



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



44, 38.231, 307.928



52, 57.240, 308.516



47, 41.389, 323.577



30, 5.106, 306.066



19, 81.404, 310.165



1, 5.439, 305.374

Inverse Universe

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



47, 32.316, 342.195



57, 47.479, 343.150



59, 41.123, 139.183



30, 4.473, 339.428



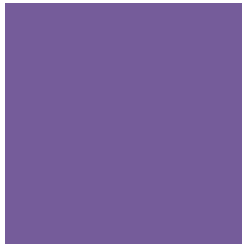
30, 56.150, 352.423



1, 4.758, 339.256

Previews

White Background



This preview shows how the CIELCh color 44, 38.232, 307.928 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 44, 38.232, 307.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

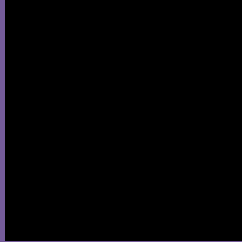
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 38.232, 307.928

Background



This preview shows how black text looks on a background with the CIELCh color 44, 38.232, 307.928.



This preview shows how white text looks on a background with the CIELCh color 44, 38.232, 307.928.

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


44, 38.232, 307.928

Protanopia

44, 36.691, 285.799

Deuteranopia

44, 29.684, 282.527



Tritanopia
44, 5.606, 321.303

Trichromacy



Original Color
44, 38.232, 307.928

Protanomaly
44, 37.154, 293.770

Deuteranomaly
44, 32.379, 292.886

Tritanomaly
44, 17.738, 310.070

Monochromacy



Original Color
44, 38.232, 307.928

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 13.678, 306.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 38.232, 307.928 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(117, 92, 154)` looks like.

```
.text, #text, p{  
    color:rgb(117, 92, 154)  
}
```

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(117, 92, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 92, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 38.232, 307.928 is called "border". The border property can be set on classes, ids or directly on the HTML element.

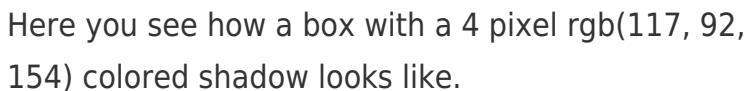
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 92, 154) }
```

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

```
.border{ border-color:rgb(117, 92, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 92, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 92, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 92, 154); box-shadow:4px 4px 4px 4px rgb(117, 92, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 38.232, 307.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 92, 154) }
```

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

```
.background{ background-color: rgb(117, 92,  
154) }
```

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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