Converting Colors

CIELCh(44, 47.707, 299.802)

Have a look what the booklet for CIELCh(44, 47.707, 299.802) contains.

Color

CIELCh(44, 47.379, 299.647)

Conversions

Conversions Part 1

Format	Color
Hex	675EAD
RGB	103, 94, 173
RGB Percent	40%, 37%, 68%
CMY	0.5971, 0.6323, 0.3226
CMYK	0.41, 0.46, 0.00, 0.32
HSL	247°, 32%, 52%
HSV	247°, 46%, 68%
XYZ	17.0623, 13.8382, 41.1717
YIQ	105.6970, -19.9950, 26.4770

Conversions

Conversions Part 2

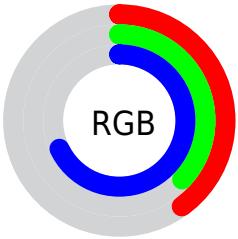
Format	Color
RYB	103, 94, 173
Decimal	6774445
CIELab	44.00, 23.44, -41.18
CIELCh	44, 47.379, 299.647
Yxy	13.8382, 0.2367, 0.1920
Android (android.graphics.Color)	4284964525 (0xFF675EAD)
YUV	105.6970, 33.1804, -2.3653
Hunter-Lab	37.1997, 16.7728, -39.5808

Details

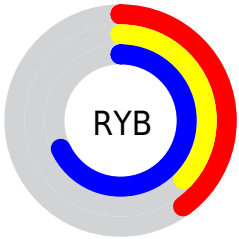
The CIELCh color 44, 47.379, 299.647 is a dark color, and the websafe version is hex 6666CC. A complement of this color would be 68, 42.155, 111.105, and the grayscale version is 44, 0.006, 296.813.

A 20% lighter version of the original color is 64, 47.705, 299.770, and 24, 47.241, 299.610 is the 20% darker color. If you saturate the color by 10%, you get 38, 58.766, 301.174, and if you desaturate by 10%, it is 50, 36.300, 298.269.

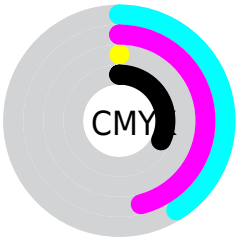
Distribution



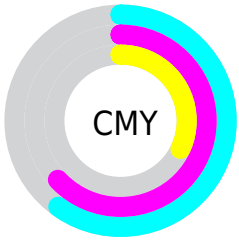
- Red (40%)
- Green (37%)
- Blue (68%)



- Red (40%)
- Yellow (37%)
- Blue (68%)



- Cyan (41%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)



- Cyan (60%)
- Magenta (63%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 47.379, 299.647 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, 47.379, 299.647 by changing the saturation by 10% instead.

44, 47.379, 299.647

44, 47.379, 299.647

100, 47.379, 299.647

34, 47.379, 299.647

64, 47.379, 299.647

24, 47.379, 299.647

74, 47.379, 299.647

14, 47.379, 299.647

84, 47.379, 299.647

4, 47.379, 299.647

0, 47.379, 299.647

94, 47.379, 299.647

44, 47.379,

44, 47.379,

299.647

38, 58.766, 301.174

33, 70.212, 302.785

28, 81.149, 304.347

24, 90.529, 305.636

22, 97.001, 306.403

21, 99.262, 306.704

299.647

50, 36.300, 298.269

56, 25.618, 297.057

61, 15.349, 296.007

67, 5.480, 295.105

73, 4.012, 114.321

79, 13.152, 113.659

85, 21.964, 113.089

90, 30.471, 112.599

96, 38.693, 112.177

Harmonies

Complementary

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

44, 47.379, 299.647

68, 42.155, 111.105

Rectangle

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

44, 47.379, 299.647

44, 47.379, 349.647

44, 47.379, 119.647

44, 47.379, 169.647

Sweetspot

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

44, 47.378, 299.647

79, 16.866, 295.865

64, 22.999, 208.720

40, 11.677, 296.067

95, 0.011, 296.813

47, 0.006, 296.813

Same Dimension

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

44, 47.378, 299.647

50, 71.796, 301.213

48, 48.933, 314.495

34, 5.478, 295.412

17, 89.595, 306.755

1, 11.380, 293.823

Inverse Universe

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

51, 48.497, 330.357

62, 70.516, 330.944

66, 46.587, 130.372

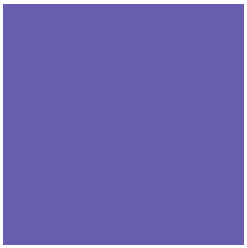
34, 6.095, 328.199

34, 71.413, 333.255

2, 12.389, 329.203

Previews

White Background

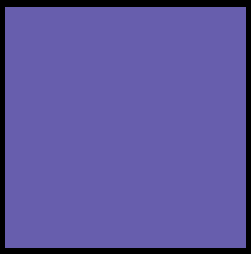


This preview shows how the CIELCh color 44, 47.379, 299.647 looks on a white background.

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



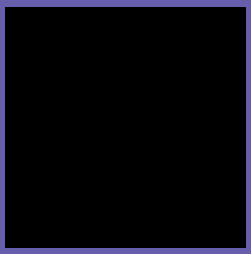
This preview shows how the CIELCh color 44, 47.379, 299.647 looks on a black background.

Color Contrast Check

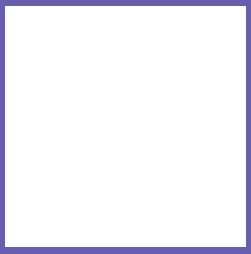
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 44, 47.379, 299.647 Background



This preview shows how black text looks on a background with the CIELCh color 44, 47.379, 299.647.



This preview shows how white text looks on a background with the CIELCh color 44, 47.379, 299.647.

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, 47.379, 299.647

Protanopia
44, 47.455, 286.476

Deuteranopia
44, 40.323, 279.583

Tritanopia
44, 8.239, 234.512

Trichromacy

Original Color
44, 47.379, 299.647

Protanomaly
44, 47.287, 290.840

Deuteranomaly
44, 42.675, 287.285

Tritanomaly
44, 20.507, 285.156

Monochromacy

Original Color
44, 47.379, 299.647

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 17.469, 296.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 47.379, 299.647 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(103, 94, 173) looks like.

```
.text, #text, p{
    color:rgb(103, 94, 173)
}
```

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(103, 94, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 94, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 47.379, 299.647 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(103, 94, 173) }
```

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

```
.border{ border-color:rgb(103, 94, 173) }
```

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

Here you see how a box with a 4 pixel rgb(103, 94, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 94, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 94, 173); box-shadow:4px 4px 4px 4px rgb(103, 94, 173) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 47.379, 299.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(103, 94, 173) }
```

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

```
.background{ background-color:rgb(103, 94,
173) }
```

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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