

Converting Colors

CIELCh(44, 40.547, 296.622)

Have a look what the booklet for
CIELCh(44, 40.547, 296.622)
contains.

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Color

CIELCh(44, 40.146, 296.442)

Conversions

Conversions Part 1

Format	Color
Hex	6361A4
RGB	99, 97, 164
RGB Percent	39%, 38%, 64%
CMY	0.6124, 0.6202, 0.3575
CMYK	0.40, 0.41, 0.00, 0.36
HSL	242°, 27%, 51%
HSV	242°, 41%, 64%
XYZ	16.0732, 13.8382, 36.8643
YIQ	105.2360, -20.3150, 21.2610

Conversions

Conversions Part 2

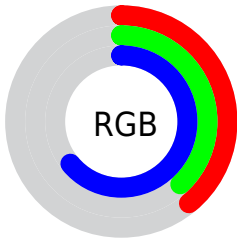
Format	Color
RYB	99, 97, 164
Decimal	6513060
CIELab	44.00, 17.88, -35.95
CIELCh	44, 40.146, 296.442
Yxy	13.8382, 0.2407, 0.2072
Android (android.graphics.Color)	4284703140 (0xFF6361A4)
YUV	105.2360, 28.9707, -5.4690
Hunter-Lab	37.1997, 12.0263, -32.7156

Details

The CIELCh color `44, 40.146, 296.442` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `66, 36.186, 107.679`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 39.680, 296.062`, and `24, 40.168, 296.296` is the 20% darker color. If you saturate the color by 10%, you get `38, 50.987, 298.214`, and if you desaturate by 10%, it is `50, 29.700, 294.888`.

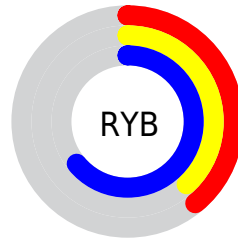
Distribution



Red (39%)

Green (38%)

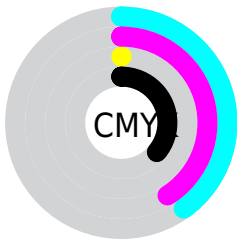
Blue (64%)



Red (39%)

Yellow (38%)

Blue (64%)

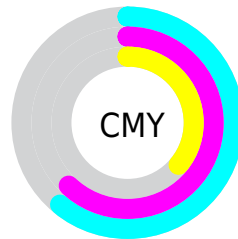


Cyan (40%)

Magenta (41%)

Yellow (0%)

Black (36%)



Cyan (61%)


Magenta (62%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 40.146, 296.442 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, 40.146, 296.442 by changing the saturation by 10% instead.

 44, 40.146,
296.442

 44, 40.146,
296.442


 100, 40.146,
296.442

 34, 40.146,
296.442

 64, 40.146,
296.442

 24, 40.146,
296.442

 74, 40.146,
296.442

 14, 40.146,
296.442

 84, 40.146,
296.442

 4, 40.146, 296.442

 94, 40.146,
296.442

 0, 40.146, 296.442

 44, 40.146,

 44, 40.146,

296.442

■ 38, 50.987,
298.214

■ 33, 62.099,
300.165

■ 28, 73.115,
302.186

■ 24, 83.223,
304.062

■ 21, 91.075,
305.488

■ 19, 95.940,
306.389

296.442

■ 50, 29.700,
294.888

■ 55, 19.674,
293.549

■ 61, 10.052,
292.407

■ 67, 0.809, 291.483

■ 72, 8.083, 110.590

■ 78, 16.651,
109.882

■ 84, 24.916,
109.274

■ 89, 32.901,
108.750

 94, 40.622,
108.298

Harmonies

Complementary

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



44, 40.146, 296.442



66, 36.186, 107.679

Rectangle

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



44, 40.146, 296.442



44, 40.146, 346.442



44, 40.146, 116.442



44, 40.146, 166.442

Sweetspot

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



44, 40.145, 296.442



77, 13.820, 292.550



63, 21.861, 199.197



40, 9.172, 292.681



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



44, 40.145, 296.442



51, 60.957, 298.035



47, 41.388, 311.614



32, 5.192, 292.239



16, 87.857, 306.404



0, 7.950, 291.237

Inverse Universe

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



51, 44.277, 327.432



62, 65.004, 327.872



63, 39.153, 127.778



32, 6.142, 325.724



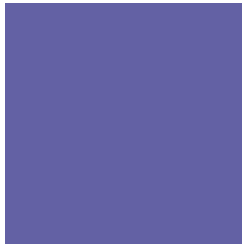
34, 74.306, 329.425



2, 9.447, 325.510

Previews

White Background



This preview shows how the CIELCh color 44, 40.146, 296.442 looks on a white background.

Color Contrast Check

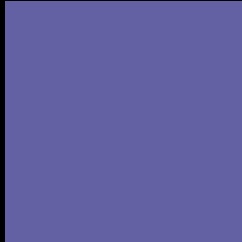
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.146, 296.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

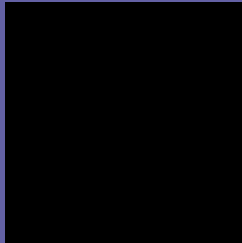
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 40.146, 296.442

Background



This preview shows how black text looks on a background with the CIELCh color 44, 40.146, 296.442.

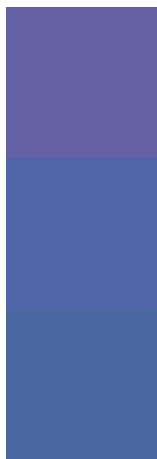


This preview shows how white text looks on a background with the CIELCh color 44, 40.146, 296.442.

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

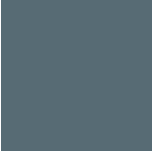
44, 40.146, 296.442

Protanopia

44, 39.706, 285.566

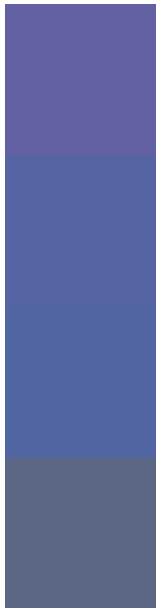
Deuteranopia

44, 35.345, 280.213



Tritanopia
44, 9.124, 235.141

Trichromacy



Original Color
44, 40.146, 296.442

Protanomaly
44, 39.539, 289.488

Deuteranomaly
44, 37.293, 286.537

Tritanomaly
44, 18.348, 279.339

Monochromacy



Original Color
44, 40.146, 296.442

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 14.413, 293.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 40.146, 296.442 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(99, 97, 164)` looks like.

```
.text, #text, p{  
    color:rgb(99, 97, 164)  
}
```

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(99, 97, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 97, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 40.146, 296.442 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(99, 97, 164) }
```

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

```
.border{ border-color:rgb(99, 97, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 97, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 97, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 97, 164);  
box-shadow:4px 4px 4px 4px rgb(99, 97,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 40.146, 296.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 97, 164) }
```

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

```
.background{ background-color: rgb(99, 97,  
164) }
```

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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