

Converting Colors

CIELCh(44, 37.476, 294.073)

Have a look what the booklet for
CIELCh(44, 37.476, 294.073)
contains.

CIELCh(44, 37.737, 294.330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 37.737, 294.330)

Conversions

Conversions Part 1

Format	Color
Hex	6062A1
RGB	96, 98, 161
RGB Percent	38%, 38%, 63%
CMY	0.6229, 0.6151, 0.3680
CMYK	0.40, 0.39, 0.00, 0.37
HSL	238°, 26%, 50%
HSV	238°, 40%, 63%
XYZ	15.6704, 13.8382, 35.6399
YIQ	104.5840, -21.4150, 19.1690

Conversions

Conversions Part 2

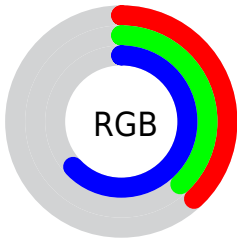
Format	Color
R_{YB}	96, 98, 161
Decimal	6316705
CIE _{Lab}	44.00, 15.55, -34.39
CIE _{LCh}	44, 37.737, 294.330
Yxy	13.8382, 0.2405, 0.2124
Android (android.graphics.Color)	4284506785 (0xFF6062A1)
YUV	104.5840, 27.8131, -7.5282
Hunter-Lab	37.1997, 10.0934, -30.7641

Details

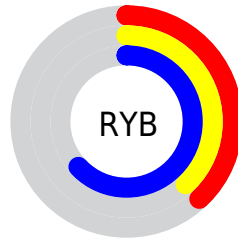
The CIELCh color `44, 37.737, 294.330` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 34.277, 105.015`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 37.401, 294.037`, and `24, 37.608, 294.064` is the 20% darker color. If you saturate the color by 10%, you get `39, 48.069, 296.249`, and if you desaturate by 10%, it is `50, 27.801, 292.661`.

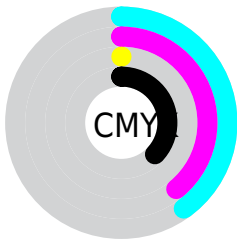
Distribution



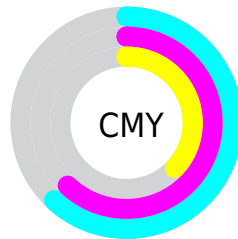
- Red (38%)
- Green (38%)
- Blue (63%)



- Red (38%)
- Yellow (38%)
- Blue (63%)



- Cyan (40%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)





- Cyan (62%)
- Magenta (62%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 37.737, 294.330 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, 37.737, 294.330 by changing the saturation by 10% instead.


 44, 37.737,
294.330


 44, 37.737,
294.330


 100, 37.737,
294.330


 34, 37.737,
294.330

 64, 37.737,
294.330


 24, 37.737,
294.330

 74, 37.737,
294.330

 14, 37.737,
294.330

 84, 37.737,
294.330

 4, 37.737, 294.330

 94, 37.737,
294.330

 0, 37.737, 294.330

 44, 37.737,

 44, 37.737,

294.330

■ 39, 48.069,
296.249

■ 33, 58.726,
298.393

■ 28, 69.444,
300.667

■ 24, 79.589,
302.872

■ 21, 87.996,
304.709

■ 19, 93.460,
305.853

294.330

■ 50, 27.801,
292.661

■ 55, 18.265,
291.230

■ 61, 9.106, 290.013

■ 66, 0.295, 289.187

■ 72, 8.194, 108.072

■ 77, 16.385,
107.317

■ 82, 24.297,
106.666

■ 88, 31.950,
106.103

■ 93, 39.360,

Harmonies

Complementary

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



44, 37.737, 294.330



64, 34.277, 105.015

Rectangle

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



44, 37.737, 294.330



44, 37.737, 344.330



44, 37.737, 114.330



44, 37.737, 164.330

Sweetspot

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



44, 37.736, 294.330



76, 13.120, 290.228



62, 21.946, 194.297



39, 8.704, 290.368



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 37.736, 294.330



51, 56.504, 295.959



46, 40.026, 309.978



32, 5.027, 289.896



16, 86.469, 305.796



0, 7.726, 289.055

Inverse Universe

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



48, 28.536, 20.974



58, 43.008, 22.515



63, 37.634, 126.008



32, 3.629, 17.425



30, 66.996, 38.042



1, 5.471, 17.100

Previews

White Background



This preview shows how the CIELCh color 44, 37.737, 294.330 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, 37.737, 294.330 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, 37.737, 294.330

Background



This preview shows how black text looks on a background with the CIELCh color 44, 37.737, 294.330.



This preview shows how white text looks on a background with the CIELCh color 44, 37.737, 294.330.

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, 37.737, 294.330

Protanopia

44, 37.338, 285.251

Deuteranopia

44, 34.069, 280.675



Tritanopia
44, 9.722, 228.255

Trichromacy



Original Color
44, 37.737, 294.330

Protanomaly
44, 37.175, 288.218

Deuteranomaly
44, 34.923, 285.424

Tritanomaly
44, 17.417, 274.814

Monochromacy



Original Color
44, 37.737, 294.330

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.183, 290.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 37.737, 294.330 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(96, 98, 161)` looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 161)  
}
```

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(96, 98, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 37.737, 294.330 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(96, 98, 161) }
```

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

```
.border{ border-color:rgb(96, 98, 161) }
```

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

Here you see how a box with a 4 pixel rgb(96, 98, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 161);  
box-shadow:4px 4px 4px 4px rgb(96, 98,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 37.737, 294.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 161) }
```

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

```
.background{ background-color: rgb(96, 98,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor