

Converting Colors

CIELCh(44, 38.290, 290.792)

Have a look what the booklet for
CIELCh(44, 38.290, 290.792)
contains.

CIELCh(44, 37.706, 290.630)	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, 37.706, 290.630)

Conversions

Conversions Part 1

Format	Color
Hex	5A64A3
RGB	90, 100, 163
RGB Percent	35%, 39%, 64%
CMY	0.6484, 0.6091, 0.3622
CMYK	0.45, 0.39, 0.00, 0.36
HSL	232°, 29%, 49%
HSV	232°, 45%, 64%
XYZ	15.2856, 13.8382, 36.3447
YIQ	104.1920, -26.1830, 17.4730

Conversions

Conversions Part 2

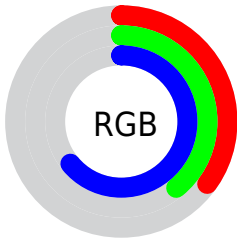
Format	Color
R_{YB}	90, 99, 163
Decimal	5924003
CIE _{Lab}	44.00, 13.29, -35.29
CIE _{LCh}	44, 37.706, 290.630
Yxy	13.8382, 0.2335, 0.2114
Android (android.graphics.Color)	4284114083 (0xFF5A64A3)
YUV	104.1920, 28.9923, -12.4464
Hunter-Lab	37.1997, 8.2473, -31.8874

Details

The CIELCh color $44, 37.706, 290.630$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 34.757, 99.026$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 37.360, 290.211$, and $24, 37.613, 290.581$ is the 20% darker color. If you saturate the color by 10%, you get $39, 46.975, 292.828$, and if you desaturate by 10%, it is $49, 28.774, 288.716$.

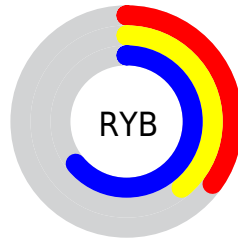
Distribution



Red (35%)

Green (39%)

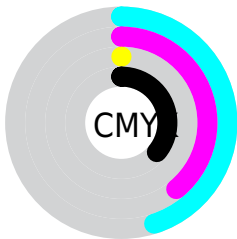
Blue (64%)



Red (35%)

Yellow (39%)

Blue (64%)

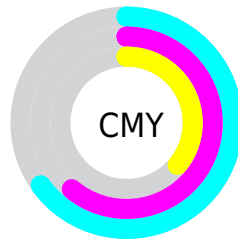


Cyan (45%)

Magenta (39%)

Yellow (0%)

Black (36%)



Cyan (65%)

Magenta (61%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 37.706, 290.630 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, 37.706, 290.630 by changing the saturation by 10% instead.


 44, 37.706,
290.630


 44, 37.706,
290.630


 100, 37.706,
290.630


 34, 37.706,
290.630

 64, 37.706,
290.630


 24, 37.706,
290.630

 74, 37.706,
290.630

 14, 37.706,
290.630

 84, 37.706,
290.630

 4, 37.706, 290.630

 94, 37.706,
290.630

 0, 37.706, 290.630

 44, 37.706,

 44, 37.706,

290.630

■ 39, 46.975,
292.828

■ 34, 56.557,
295.292

■ 30, 66.308,
297.940

■ 26, 75.841,
300.603

■ 22, 84.391,
303.017

■ 21, 88.102,
303.992

290.630

■ 49, 28.774,
288.716

■ 54, 20.168,
287.070

■ 59, 11.862,
285.663

■ 64, 3.832, 284.474

■ 69, 3.943, 103.383

■ 74, 11.479,
102.507

■ 79, 18.791,
101.736

■ 84, 25.891,
101.062

■ 89, 32.792,
100.472

Harmonies

Complementary

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



44, 37.706, 290.630



63, 34.757, 99.026

Rectangle

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



44, 37.706, 290.630



44, 37.706, 340.630



44, 37.706, 110.630



44, 37.706, 160.630

Sweetspot

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



44, 37.705, 290.630



77, 12.809, 285.454



62, 25.595, 183.189



39, 9.066, 285.727



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, 37.705, 290.630



51, 57.293, 292.859



44, 44.619, 306.595



32, 4.483, 284.969



18, 80.579, 303.792



1, 6.982, 284.592

Inverse Universe

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



47, 31.939, 13.727



56, 48.319, 15.931



63, 40.875, 121.319



32, 3.683, 8.870



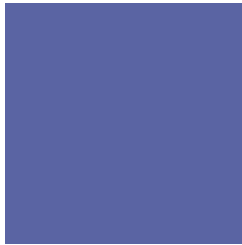
30, 63.044, 32.719



1, 5.565, 9.173

Previews

White Background



This preview shows how the CIELCh color 44, 37.706, 290.630 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, 37.706, 290.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

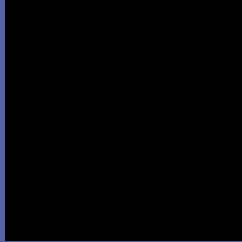
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 37.706, 290.630

Background



This preview shows how black text looks on a background with the CIELCh color 44, 37.706, 290.630.

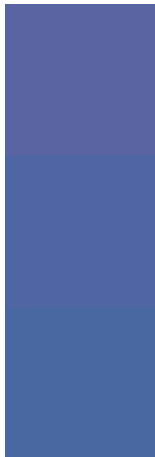


This preview shows how white text looks on a background with the CIELCh color 44, 37.706, 290.630.

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, 37.706, 290.630

Protanopia

44, 37.338, 285.251

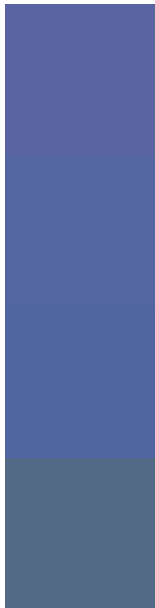
Deuteranopia

44, 35.345, 280.213



Tritanopia
44, 12.600, 223.760

Trichromacy



Original Color
44, 37.706, 290.630

Protanomaly
44, 37.812, 287.597

Deuteranomaly
44, 36.226, 284.273

Tritanomaly
44, 18.351, 265.845

Monochromacy



Original Color
44, 37.706, 290.630

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.830, 287.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 37.706, 290.630 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(90, 100, 163)` looks like.

```
.text, #text, p{  
    color:rgb(90, 100, 163)  
}
```

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(90, 100, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 100, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 37.706, 290.630 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(90, 100, 163) }
```

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

```
.border{ border-color:rgb(90, 100, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 100, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 100, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 100, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 100,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 37.706, 290.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 100, 163) }
```

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

```
.background{ background-color: rgb(90, 100,  
163) }
```

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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