

Converting Colors

CIELCh(45, 37.877, 278.308)

Have a look what the booklet for
CIELCh(45, 37.877, 278.308)
contains.

CIELCh(45, 37.877, 278.308)	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(45, 37.877, 278.308)

Conversions

Conversions Part 1

Format	Color
Hex	436BA9
RGB	67, 107, 169
RGB Percent	26%, 42%, 66%
CMY	0.7377, 0.5808, 0.3377
CMYK	0.60, 0.37, 0.00, 0.34
HSL	216°, 43%, 46%
HSV	216°, 60%, 66%
XYZ	14.7026, 14.5417, 39.5096
YIQ	102.1080, -43.7420, 10.8020

Conversions

Conversions Part 2

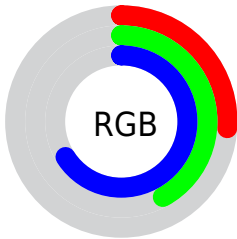
Format	Color
R _{YB}	67, 96, 169
Decimal	4418473
CIE Lab	45.00, 5.47, -37.48
CIE LCh	45, 37.877, 278.308
Yxy	14.5417, 0.2138, 0.2115
Android (android.graphics.Color)	4282608553 (0xFF436BA9)
YUV	102.1080, 32.9778, -30.7897
Hunter-Lab	38.1336, 2.0880, -34.7359

Details

The CIELCh color **45, 37.877, 278.308** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **57, 39.890, 77.999**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 38.111, 278.397**, and **25, 37.484, 280.232** is the 20% darker color. If you saturate the color by 10%, you get **41, 44.393, 281.571**, and if you desaturate by 10%, it is **49, 31.467, 275.445**.

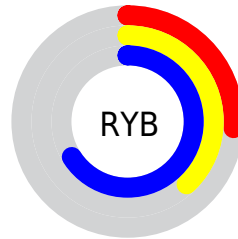
Distribution



Red (26%)

Green (42%)

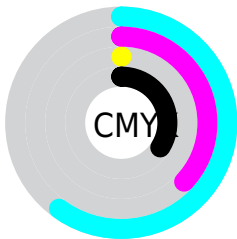
Blue (66%)



Red (26%)

Yellow (38%)

Blue (66%)

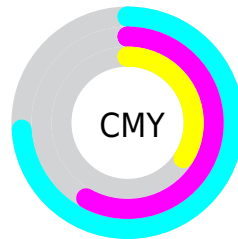


Cyan (60%)

Magenta (37%)

Yellow (0%)

Black (34%)



Cyan (74%)


Magenta (58%)

Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.877, 278.308 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 45, 37.877, 278.308 by changing the saturation by 10% instead.


 45, 37.877,
278.308


 45, 37.877,
278.308


 100, 37.877,
278.308


 35, 37.877,
278.308

 65, 37.877,
278.308


 25, 37.877,
278.308

 75, 37.877,
278.308

 15, 37.877,
278.308

 85, 37.877,
278.308

 5, 37.877, 278.308

 95, 37.877,
278.308

 0, 37.877, 278.308

 45, 37.877,

 45, 37.877,

278.308

278.308

■ 41, 44.393,
281.571

■ 49, 31.467,
275.445

■ 38, 51.059,
285.189

■ 53, 25.131,
272.972

■ 34, 57.897,
289.045

■ 57, 18.845,
270.857

■ 31, 64.606,
292.675

■ 61, 12.603,
269.055

■ 65, 6.404, 267.529

■ 69, 0.253, 267.156

■ 73, 5.843, 84.978

■ 77, 11.877, 84.007

■ 81, 17.842, 83.148

Harmonies

Complementary

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



45, 37.877, 278.308



57, 39.890, 77.999

Rectangle

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



45, 37.877, 278.308



45, 37.877, 328.308



45, 37.877, 98.308



45, 37.877, 148.308

Sweetspot

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



45, 37.876, 278.309



78, 13.744, 268.716



63, 41.357, 162.554



40, 9.545, 269.176



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 37.876, 278.309



52, 56.260, 282.584



35, 62.989, 301.600



33, 3.473, 267.375



27, 57.930, 292.220



2, 6.681, 270.783

Inverse Universe

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



43, 45.851, 357.999



52, 64.956, 1.316



67, 53.121, 109.516



33, 4.229, 350.668



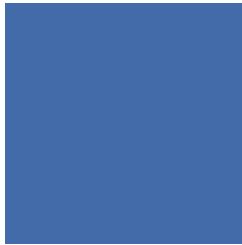
31, 56.474, 11.398



2, 7.361, 353.401

Previews

White Background



This preview shows how the CIELCh color 45, 37.877, 278.308 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 45, 37.877, 278.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

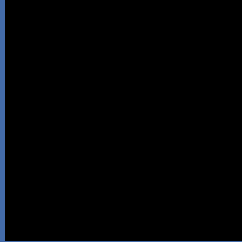
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.877, 278.308

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.877, 278.308.

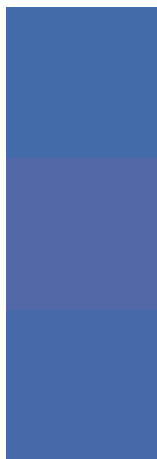


This preview shows how white text looks on a background with the CIELCh color 45, 37.877, 278.308.

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

45, 37.877, 278.308

Protanopia

45, 37.189, 285.518

Deuteranopia

45, 38.281, 280.107



Tritanopia
45, 21.834, 211.604

Trichromacy



Original Color
45, 37.877, 278.308

Protanomaly
45, 37.409, 282.693

Deuteranomaly
45, 38.329, 279.776

Tritanomaly
45, 23.482, 243.897

Monochromacy



Original Color
45, 37.877, 278.308

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 14.101, 269.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.877, 278.308 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(67, 107, 169)` looks like.

```
.text, #text, p{  
    color:rgb(67, 107, 169)  
}
```

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(67, 107, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 107, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.877, 278.308 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(67, 107, 169) }
```

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

```
.border{ border-color:rgb(67, 107, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 107, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 107, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 107, 169);  
box-shadow:4px 4px 4px 4px rgb(67, 107,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.877, 278.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 107, 169) }
```

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

```
.background{ background-color: rgb(67, 107,  
169) }
```

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