

Converting Colors

CIELCh(45, 38.217, 303.006)

Have a look what the booklet for
CIELCh(45, 38.217, 303.006)
contains.

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Color

CIELCh(45, 38.080, 303.102)

Conversions

Conversions Part 1

Format	Color
Hex	7161A0
RGB	113, 97, 160
RGB Percent	44%, 38%, 63%
CMY	0.5577, 0.6204, 0.3734
CMYK	0.29, 0.39, 0.00, 0.37
HSL	255°, 25%, 50%
HSV	255°, 39%, 63%
XYZ	17.3674, 14.5417, 35.0523
YIQ	108.9660, -10.6870, 22.9850

Conversions

Conversions Part 2

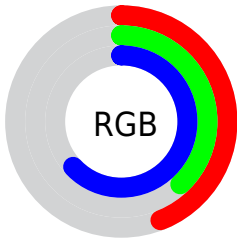
Format	Color
R_{YB}	113, 97, 160
Decimal	7430560
CIE _{Lab}	45.00, 20.80, -31.90
CIE _{LCh}	45, 38.080, 303.102
Yxy	14.5417, 0.2594, 0.2172
Android (android.graphics.Color)	4285620640 (0xFF7161A0)
YUV	108.9660, 25.1598, 3.5378
Hunter-Lab	38.1336, 14.5613, -27.8057

Details

The CIELCh color `45, 38.080, 303.102` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `63, 34.956, 117.654`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 37.888, 302.893`, and `25, 38.318, 303.501` is the 20% darker color. If you saturate the color by 10%, you get `40, 48.480, 304.102`, and if you desaturate by 10%, it is `50, 27.934, 302.187`.

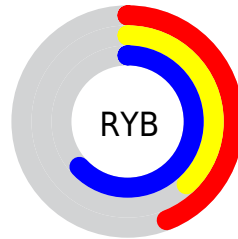
Distribution



Red (44%)

Green (38%)

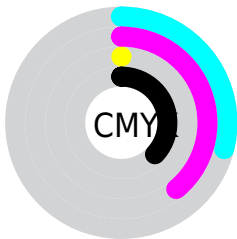
Blue (63%)



Red (44%)

Yellow (38%)

Blue (63%)

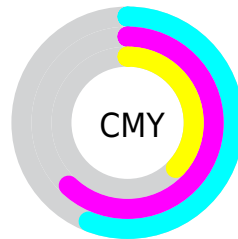


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (37%)



Cyan (56%)


Magenta (62%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.080, 303.102 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, 38.080, 303.102 by changing the saturation by 10% instead.


 45, 38.080,
303.102


 45, 38.080,
303.102


 100, 38.080,
303.102


 35, 38.080,
303.102

 65, 38.080,
303.102


 25, 38.080,
303.102

 75, 38.080,
303.102

 15, 38.080,
303.102

 85, 38.080,
303.102

 5, 38.080, 303.102

 95, 38.080,
303.102

 0, 38.080, 303.102

 45, 38.080,

 45, 38.080,

303.102

40, 48.480,
304.102

35, 58.977,
305.151

30, 69.240,
306.179

26, 78.660,
307.061

23, 86.308,
307.619

20, 91.805,
307.844

20, 92.128,
307.866

303.102

50, 27.934,
302.187

56, 18.110,
301.369

61, 8.627, 300.647

66, 0.519, 120.073

71, 9.341, 119.478

77, 17.856,
119.005

82, 26.082,
118.597

87, 34.037,
118.245

92, 41.739,

Harmonies

Complementary

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



45, 38.080, 303.102



63, 34.956, 117.654

Rectangle

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



45, 38.080, 303.102



45, 38.080, 353.102



45, 38.080, 123.102



45, 38.080, 173.102

Sweetspot

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



45, 38.079, 303.102



75, 13.620, 300.841



57, 17.815, 228.666



39, 9.126, 300.926



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 38.079, 303.102



53, 56.708, 303.943



48, 40.527, 318.951



31, 5.135, 300.635



17, 84.758, 307.946



1, 6.608, 299.556

Inverse Universe

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



49, 35.994, 335.190



60, 52.300, 335.853



61, 39.626, 135.280



31, 5.113, 333.042



32, 62.041, 341.271



1, 6.478, 333.840

Previews

White Background



This preview shows how the CIELCh color 45, 38.080, 303.102 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, 38.080, 303.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

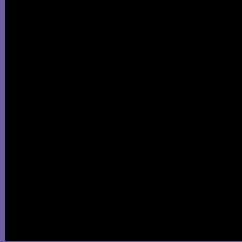
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.080, 303.102

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.080, 303.102.



This preview shows how white text looks on a background with the CIELCh color 45, 38.080, 303.102.

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, 38.080, 303.102

Protanopia

45, 36.560, 285.183

Deuteranopia

45, 31.408, 281.833



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color
45, 38.080, 303.102

Protanomaly
45, 36.969, 291.271

Deuteranomaly
45, 33.421, 289.763

Tritanomaly
45, 16.848, 297.562

Monochromacy



Original Color
45, 38.080, 303.102

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.298, 300.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.080, 303.102 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(113, 97, 160)` looks like.

```
.text, #text, p{  
    color:rgb(113, 97, 160)  
}
```

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(113, 97, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 97, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.080, 303.102 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(113, 97, 160) }
```

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

```
.border{ border-color:rgb(113, 97, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 97, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 97, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 97, 160);  
box-shadow:4px 4px 4px 4px rgb(113, 97,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.080, 303.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 97, 160) }
```

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

```
.background{ background-color: rgb(113, 97,  
160) }
```

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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