

Converting Colors

CIELCh(45, 36.602, 3.186)

Have a look what the booklet for
CIELCh(45, 36.602, 3.186) contains.

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Color

CIELCh(45, 36.963, 3.485)

Conversions

Conversions Part 1

Format	Color
Hex	A35068
RGB	163, 80, 104
RGB Percent	64%, 31%, 41%
CMY	0.3605, 0.6860, 0.5919
CMYK	0.00, 0.51, 0.36, 0.36
HSL	343°, 34%, 48%
HSV	343°, 51%, 64%
XYZ	20.4944, 14.5417, 14.8402
YIQ	107.5530, 41.7640, 25.0600

Conversions

Conversions Part 2

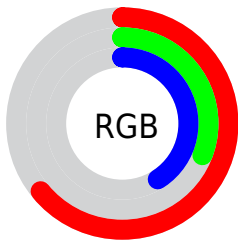
Format	Color
RYB	163, 80, 104
Decimal	10702952
CIELab	45.00, 36.89, 2.25
CIElCh	45, 36.963, 3.485
Yxy	14.5417, 0.4109, 0.2916
Android (android.graphics.Color)	4288893032 (0xFFA35068)
YUV	107.5530, -1.7516, 48.6270
Hunter-Lab	38.1336, 29.1986, 3.6200

Details

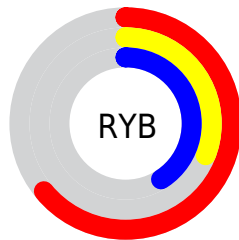
The CIELCh color $45, 36.963, 3.485$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $61, 31.610, 171.338$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 36.666, 3.642$, and $25, 36.776, 3.724$ is the 20% darker color. If you saturate the color by 10%, you get $42, 43.934, 5.794$, and if you desaturate by 10%, it is $49, 29.597, 1.628$.

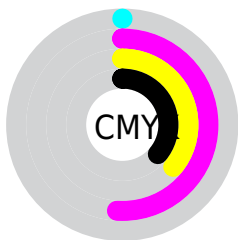
Distribution



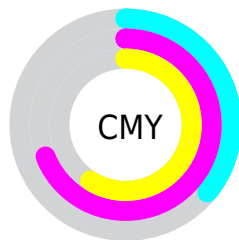
- Red (64%)
- Green (31%)
- Blue (41%)



- Red (64%)
- Yellow (31%)
- Blue (41%)



- Cyan (0%)
- Magenta (51%)
- Yellow (36%)
- Black (36%)











- Cyan (36%)
- Magenta (69%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 36.963, 3.485 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, 36.963, 3.485 by changing the saturation by 10% instead.

 45, 36.963, 3.485	 45, 36.963, 3.485
 100, 36.963, 3.485	 35, 36.963, 3.485
 65, 36.963, 3.485	 25, 36.963, 3.485
 75, 36.963, 3.485	 15, 36.963, 3.485
 85, 36.963, 3.485	 5, 36.963, 3.485
 95, 36.963, 3.485	 0, 36.963, 3.485

 45, 36.963, 3.485	 45, 36.963, 3.485
 42, 43.934, 5.794	 49, 29.597, 1.628
 39, 50.197, 8.696	 53, 22.118, 0.099
 36, 55.467, 12.357	 57, 14.721,

■ 35, 59.633, 16.895

358.813

■ 34, 62.889, 21.500

■ 62, 7.529, 357.695

■ 67, 0.612, 356.127

■ 71, 6.003, 176.038

■ 76, 12.311,
175.260

■ 81, 18.324,
174.580

■ 86, 24.061,
173.968

Harmonies

Complementary

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



45, 36.963, 3.485



61, 31.610, 171.338

Rectangle

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



45, 36.963, 3.485



45, 36.963, 53.485



45, 36.963, 183.485



45, 36.963, 233.485

Sweetspot

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



45, 36.961, 3.487



76, 12.925, 358.169



44, 52.552, 317.814



39, 8.924, 358.393



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 36.961, 3.487



53, 54.325, 6.115



48, 32.747, 39.853



32, 3.897, 357.522



30, 57.615, 20.892



1, 5.873, 358.654

Inverse Universe

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



45, 36.961, 3.487



53, 54.325, 6.115



57, 22.439, 222.908



32, 3.897, 357.522



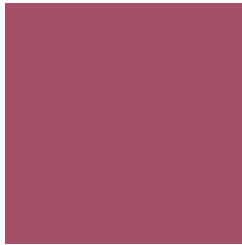
30, 57.615, 20.892



1, 5.873, 358.654

Previews

White Background



This preview shows how the CIELCh color 45, 36.963, 3.485 looks on a white background.

Color Contrast Check

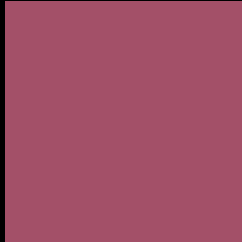
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.963, 3.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

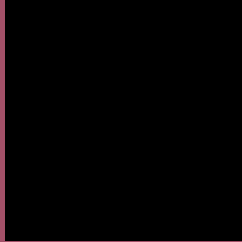
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.963, 3.485

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.963, 3.485.



This preview shows how white text looks on a background with the CIELCh color 45, 36.963, 3.485.

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





Tritanopia
45, 35.108, 19.140

Trichromacy



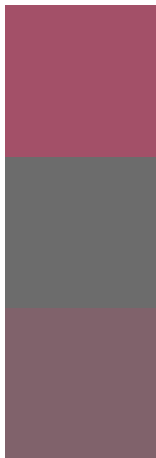
Original Color
45, 36.963, 3.485

Protanomaly
45, 15.584, 341.052

Deuteranomaly
45, 17.938, 10.548

Tritanomaly
45, 35.262, 13.677

Monochromacy



Original Color
45, 36.963, 3.485

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 13.653, 358.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.963, 3.485 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(163, 80, 104)` looks like.

```
.text, #text, p{  
    color:rgb(163, 80, 104)  
}
```

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(163, 80, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 80, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.963, 3.485 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(163, 80, 104) }
```

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

```
.border{ border-color:rgb(163, 80, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 80, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 80, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 80, 104);  
box-shadow:4px 4px 4px 4px rgb(163, 80,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.963, 3.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 80, 104) }
```

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

```
.background{ background-color: rgb(163, 80,  
104) }
```

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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