

Converting Colors

CIELCh(40, 45.745, 326.933)

Have a look what the booklet for
CIELCh(40, 45.745, 326.933)
contains.

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Color

CIELCh(40, 46.163, 326.933)

Conversions

Conversions Part 1

Format	Color
Hex	884588
RGB	136, 69, 136
RGB Percent	53%, 27%, 53%
CMY	0.4670, 0.7297, 0.4670
CMYK	0.00, 0.49, 0.00, 0.47
HSL	300°, 33%, 40%
HSV	300°, 49%, 53%
XYZ	16.7035, 11.2510, 24.5562
YIQ	96.6710, 18.4250, 35.0410

Conversions

Conversions Part 2

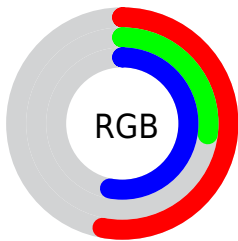
Format	Color
RYB	136, 69, 136
Decimal	8930696
CIELab	40.00, 38.69, -25.19
CIElCh	40, 46.163, 326.933
Yxy	11.2510, 0.3181, 0.2143
Android (android.graphics.Color)	4287120776 (0xFF884588)
YUV	96.6710, 19.3892, 34.4915
Hunter-Lab	33.5425, 30.1901, -19.9260

Details

The CIELCh color $40, 46.163, 326.933$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $51, 46.367, 140.610$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 46.266, 326.816$, and $20, 46.362, 326.875$ is the 20% darker color. If you saturate the color by 10%, you get $37, 54.148, 327.341$, and if you desaturate by 10%, it is $43, 37.351, 326.472$.

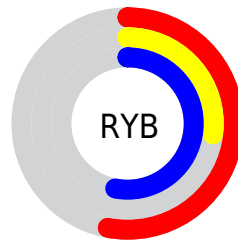
Distribution



Red (53%)

Green (27%)

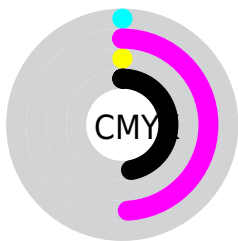
Blue (53%)



Red (53%)

Yellow (27%)

Blue (53%)

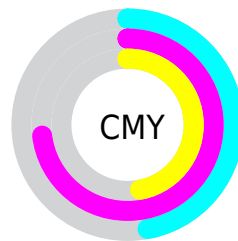


Cyan (0%)

Magenta (49%)

Yellow (0%)

Black (47%)



Cyan (47%)


Magenta (73%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 46.163, 326.933 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 40, 46.163, 326.933 by changing the saturation by 10% instead.


 40, 46.163,
326.933


 40, 46.163,
326.933


 100, 46.163,
326.933


 30, 46.163,
326.933

 60, 46.163,
326.933


 20, 46.163,
326.933

 70, 46.163,
326.933

 10, 46.163,
326.933

 80, 46.163,
326.933

 0, 46.163, 326.933

 90, 46.163,
326.933

 40, 46.163,

 40, 46.163,

326.933

326.933

■ 37, 54.148,
327.341

■ 43, 37.351,
326.472

■ 35, 60.965,
327.680

■ 46, 28.036,
325.974

■ 34, 66.295,
327.940

■ 50, 18.474,
325.451

■ 33, 69.931,
328.115

■ 53, 8.860, 324.910

■ 57, 0.669, 144.695

■ 32, 72.243,
328.224

■ 61, 10.022,
143.907

■ 32, 72.404,
328.232

■ 65, 19.144,
143.396

■ 69, 28.007,
142.913

■ 72, 36.597,
142.455

Harmonies

Complementary

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



40, 46.163, 326.933



51, 46.367, 140.610

Rectangle

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



40, 46.163, 326.933



40, 46.163, 16.933



40, 46.163, 146.933



40, 46.163, 196.933

Sweetspot

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



40, 46.161, 326.933



65, 17.719, 325.239



33, 41.444, 296.406



33, 12.191, 325.337



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 46.161, 326.933



48, 66.322, 327.378



39, 33.785, 347.666



27, 5.441, 324.904



31, 71.116, 328.232



0, 2.512, 324.438

Inverse Universe

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



38, 31.342, 24.659



45, 47.606, 27.049



52, 32.212, 157.857



27, 3.148, 19.883



27, 63.128, 38.658



0, 1.414, 19.403

Previews

White Background



This preview shows how the CIELCh color 40, 46.163, 326.933 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 40, 46.163, 326.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

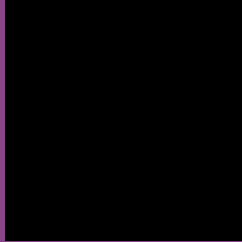
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 46.163, 326.933

Background



This preview shows how black text looks on a background with the CIELCh color 40, 46.163, 326.933.

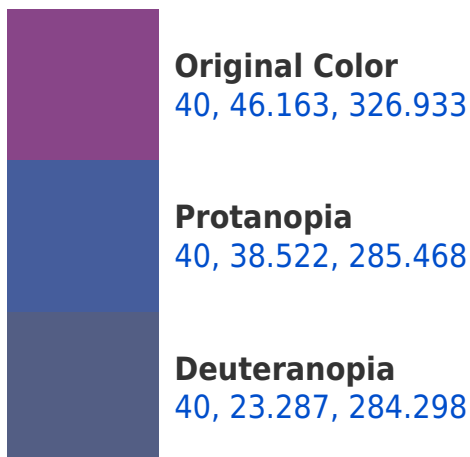


This preview shows how white text looks on a background with the CIELCh color 40, 46.163, 326.933.

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
40, 21.970, 13.466

Trichromacy



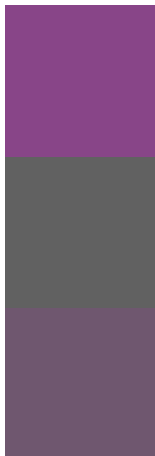
Original Color
40, 46.163, 326.933

Protanomaly
39, 39.893, 300.003

Deuteranomaly
40, 30.069, 306.014

Tritanomaly
40, 27.957, 347.120

Monochromacy



Original Color
40, 46.163, 326.933

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 17.544, 325.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 46.163, 326.933 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(136, 69, 136)` looks like.

```
.text, #text, p{  
    color:rgb(136, 69, 136)  
}
```

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(136, 69, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 69, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 46.163, 326.933 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(136, 69, 136) }
```

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

```
.border{ border-color:rgb(136, 69, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 69, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 69, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 69, 136);  
box-shadow:4px 4px 4px 4px rgb(136, 69,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 46.163, 326.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 69, 136) }
```

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

```
.background{ background-color: rgb(136, 69,  
136) }
```

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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