

Converting Colors

CIELCh(41, 45.723, 306.244)

Have a look what the booklet for
CIELCh(41, 45.723, 306.244)
contains.

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Color

CIELCh(41, 46.183, 306.282)

Conversions

Conversions Part 1

Format	Color
Hex	6C539E
RGB	108, 83, 158
RGB Percent	42%, 33%, 62%
CMY	0.5761, 0.6742, 0.3800
CMYK	0.32, 0.47, 0.00, 0.38
HSL	260°, 31%, 47%
HSV	260°, 47%, 62%
XYZ	15.4741, 11.8645, 33.8636
YIQ	99.0250, -9.1750, 28.6250

Conversions

Conversions Part 2

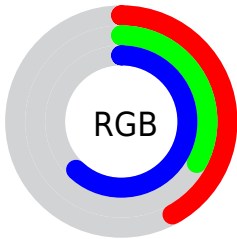
Format	Color
R_{YB}	108, 83, 158
Decimal	7099294
CIE _{Lab}	41.00, 27.33, -37.23
CIE _{LCh}	41, 46.183, 306.282
Yxy	11.8645, 0.2528, 0.1939
Android (android.graphics.Color)	4285289374 (0xFF6C539E)
YUV	99.0250, 29.0747, 7.8711
Hunter-Lab	34.4449, 19.9112, -34.1778

Details

The CIELCh color $41, 46.183, 306.282$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $62, 41.954, 120.534$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 46.111, 306.088$, and $21, 46.241, 306.388$ is the 20% darker color. If you saturate the color by 10%, you get $36, 56.451, 307.106$, and if you desaturate by 10%, it is $46, 35.964, 305.481$.

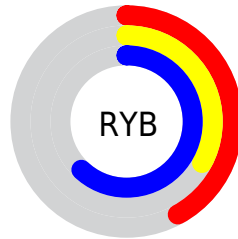
Distribution



Red (42%)

Green (33%)

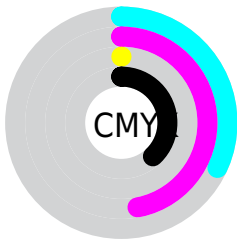
Blue (62%)



Red (42%)

Yellow (33%)

Blue (62%)

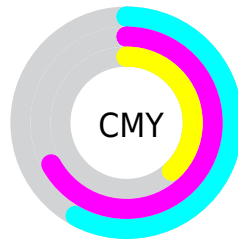


Cyan (32%)

Magenta (47%)

Yellow (0%)

Black (38%)



Cyan (58%)


Magenta (67%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 46.183, 306.282 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 41, 46.183, 306.282 by changing the saturation by 10% instead.

 41, 46.183,
306.282

 41, 46.183,
306.282


 100, 46.183,
306.282


 31, 46.183,
306.282

 61, 46.183,
306.282


 21, 46.183,
306.282

 71, 46.183,
306.282

 11, 46.183,
306.282

 81, 46.183,
306.282

 1, 46.183, 306.282

 91, 46.183,
306.282

 0, 46.183, 306.282

 41, 46.183,

 41, 46.183,

306.282

■ 36, 56.451,
307.106

■ 32, 66.466,
307.891

■ 27, 75.698,
308.535

■ 24, 83.362,
308.895

■ 22, 88.837,
308.882

■ 21, 90.176,
308.902

306.282

■ 46, 35.964,
305.481

■ 51, 25.955,
304.733

■ 56, 16.229,
304.055

■ 61, 6.814, 303.447

■ 66, 2.286, 122.944

■ 72, 11.078,
122.460

■ 77, 19.576,
122.052

■ 82, 27.794,
121.700

■ 87, 35.750,
121.397

Harmonies

Complementary

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



41, 46.183, 306.282



62, 41.954, 120.534

Rectangle

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



41, 46.183, 306.282



41, 46.183, 356.282



41, 46.183, 126.282



41, 46.183, 176.282

Sweetspot

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



41, 46.182, 306.282



74, 16.106, 303.855



53, 20.991, 242.213



38, 11.246, 303.983



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



41, 46.182, 306.282



47, 69.670, 307.160



45, 48.859, 321.832



31, 5.189, 303.551



18, 83.618, 308.989



1, 6.676, 302.408

Inverse Universe

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



46, 40.338, 339.434



55, 58.823, 340.531



60, 48.172, 136.985



31, 4.830, 336.269



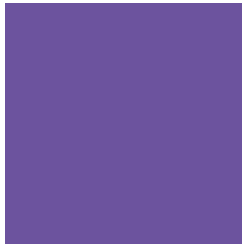
31, 58.969, 346.895



1, 6.117, 337.158

Previews

White Background



This preview shows how the CIELCh color 41, 46.183, 306.282 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 41, 46.183, 306.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

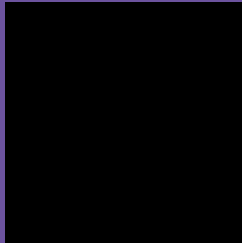
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 46.183, 306.282

Background



This preview shows how black text looks on a background with the CIELCh color 41, 46.183, 306.282.



This preview shows how white text looks on a background with the CIELCh color 41, 46.183, 306.282.

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


41, 46.183, 306.282

Protanopia

41, 45.623, 286.429

Deuteranopia

41, 35.845, 279.744



Tritanopia
41, 4.279, 296.276

Trichromacy



Original Color
41, 46.183, 306.282

Protanomaly
41, 45.440, 292.642

Deuteranomaly
41, 38.857, 290.007

Tritanomaly
41, 19.921, 303.871

Monochromacy



Original Color
41, 46.183, 306.282

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 16.827, 304.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 46.183, 306.282 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(108, 83, 158)` looks like.

```
.text, #text, p{  
    color:rgb(108, 83, 158)  
}
```

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(108, 83, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 83, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 46.183, 306.282 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(108, 83, 158) }
```

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

```
.border{ border-color:rgb(108, 83, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 83, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 83, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 83, 158);  
box-shadow:4px 4px 4px 4px rgb(108, 83,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 46.183, 306.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 83, 158) }
```

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

```
.background{ background-color: rgb(108, 83,  
158) }
```

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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