

Converting Colors

CIELCh(41, 76.443, 306.185)

Have a look what the booklet for
CIELCh(41, 76.443, 306.185)
contains.

CIELCh(41, 76.523, 306.214)	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(41, 76.523, 306.214)

Conversions

Conversions Part 1

Format	Color
Hex	6B48C8
RGB	107, 72, 200
RGB Percent	42%, 28%, 78%
CMY	0.5816, 0.7187, 0.2169
CMYK	0.47, 0.64, 0.00, 0.22
HSL	256°, 54%, 53%
HSV	256°, 64%, 78%
XYZ	18.7179, 11.8645, 55.7647
YIQ	97.0570, -20.2280, 47.2280

Conversions

Conversions Part 2

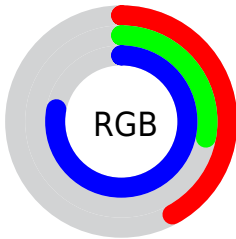
Format	Color
R _Y B	107, 72, 200
Decimal	7030984
CIE Lab	41.00, 45.21, -61.74
CIE LCh	41, 76.523, 306.214
Yxy	11.8645, 0.2168, 0.1374
Android (android.graphics.Color)	4285221064 (0xFF6B48C8)
YUV	97.0570, 50.7509, 8.7200
Hunter-Lab	34.4449, 36.7212, -71.8762

Details

The CIELCh color $41, 76.523, 306.214$ is a dark color, and the websafe version is hex $6633CC$. The color can be described as dark muted purple. A complement of this color would be $76, 65.406, 117.335$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 75.369, 306.518$, and $21, 76.479, 306.149$ is the 20% darker color. If you saturate the color by 10%, you get $36, 88.266, 307.120$, and if you desaturate by 10%, it is $47, 64.089, 305.214$.

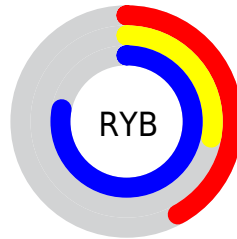
Distribution



Red (42%)

Green (28%)

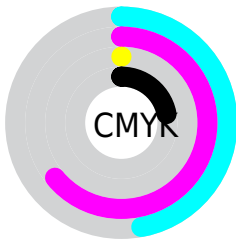
Blue (78%)



Red (42%)

Yellow (28%)

Blue (78%)

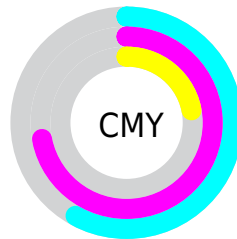


Cyan (47%)

Magenta (64%)

Yellow (0%)

Black (22%)



Cyan (58%)


Magenta (72%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 76.523, 306.214 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, 76.523, 306.214 by changing the saturation by 10% instead.


 41, 76.523,
306.214


 41, 76.523,
306.214


 100, 76.523,
306.214


 31, 76.523,
306.214

 61, 76.523,
306.214


 21, 76.523,
306.214

 71, 76.523,
306.214

 11, 76.523,
306.214


 81, 76.523,
306.214

 1, 76.523, 306.214

 91, 76.523,
306.214

 0, 76.523, 306.214

 41, 76.523,

 41, 76.523,

306.214

■ 36, 88.266,
307.120

■ 31, 98.347,
307.769

■ 28, 105.527,
307.971

■ 27, 108.571,
307.950

306.214

■ 47, 64.089,
305.214

■ 53, 51.552,
304.219

■ 59, 39.218,
303.287

■ 65, 27.228,
302.441

■ 72, 15.636,
301.689

■ 78, 4.452, 301.024

■ 84, 6.332, 120.466

■ 90, 16.735,
119.966

■ 97, 26.778,
119.537

Harmonies

Complementary

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



41, 76.523, 306.214



76, 65.406, 117.335

Rectangle

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



41, 76.523, 306.214



41, 76.523, 356.214



41, 76.523, 126.214



41, 76.523, 176.214

Sweetspot

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



41, 76.523, 306.215



85, 25.980, 302.068



64, 30.906, 236.172



43, 17.973, 302.291



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 76.523, 306.215



44, 111.319, 307.423



49, 76.729, 320.241



39, 6.227, 301.368



21, 93.306, 308.075



2, 21.767, 298.900

Inverse Universe

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



51, 65.200, 338.265



60, 88.565, 339.821



73, 74.740, 134.228



39, 6.099, 333.812



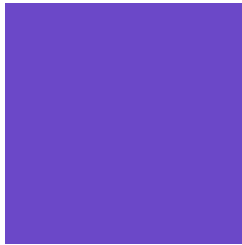
36, 67.391, 342.776



4, 21.045, 338.967

Previews

White Background



This preview shows how the CIELCh color 41, 76.523, 306.214 looks on a white background.

Color Contrast Check

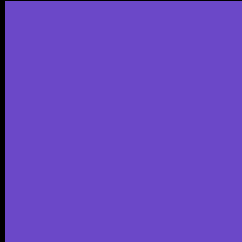
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 41, 76.523, 306.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

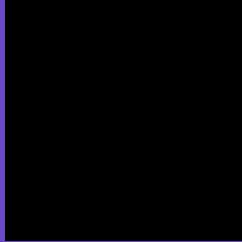
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 76.523, 306.214

Background



This preview shows how black text looks on a background with the CIELCh color 41, 76.523, 306.214.

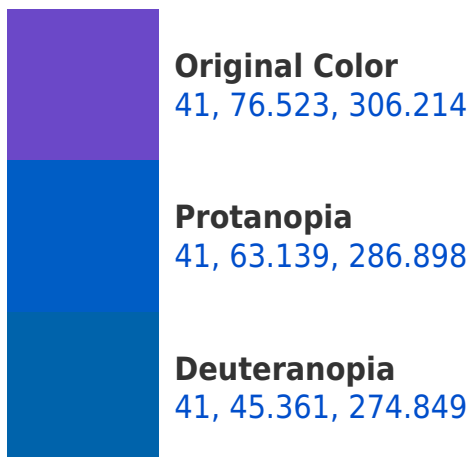


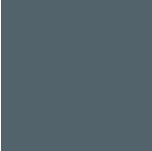
This preview shows how white text looks on a background with the CIELCh color 41, 76.523, 306.214.

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
41, 8.024, 236.222

Trichromacy



Original Color
41, 76.523, 306.214

Protanomaly
40, 68.448, 292.492

Deuteranomaly
39, 56.206, 287.624

Tritanomaly
40, 31.740, 295.990

Monochromacy



Original Color
41, 76.523, 306.214

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 28.514, 303.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 76.523, 306.214 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(107, 72, 200)` looks like.

```
.text, #text, p{  
    color:rgb(107, 72, 200)  
}
```

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(107, 72, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 72, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 76.523, 306.214 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(107, 72, 200) }
```

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

```
.border{ border-color:rgb(107, 72, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 72, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 72, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 72, 200);  
box-shadow:4px 4px 4px 4px rgb(107, 72,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 76.523, 306.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 72, 200) }
```

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

```
.background{ background-color: rgb(107, 72,  
200) }
```

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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