

Converting Colors

CIELCh(41, 109.163, 304.235)

Have a look what the booklet for
CIELCh(41, 109.163, 304.235)
contains.

CIELCh(41, 109.518, 304.257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(41, 109.518, 304.257)

Conversions

Conversions Part 1

Format	Color
Hex	4E3DFA
RGB	78, 61, 250
RGB Percent	31%, 24%, 98%
CMY	0.6939, 0.7607, 0.0195
CMYK	0.69, 0.76, 0.00, 0.02
HSL	245°, 95%, 61%
HSV	245°, 76%, 98%
XYZ	22.0738, 11.8645, 91.5883
YIQ	87.6290, -50.5370, 62.3830

Conversions

Conversions Part 2

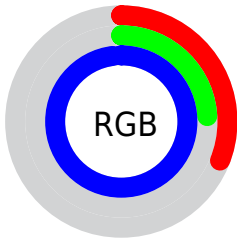
Format	Color
R _Y B	78, 61, 250
Decimal	5127674
CIE Lab	41.00, 61.65, -90.52
CIE LCh	41, 109.518, 304.257
Yxy	11.8645, 0.1758, 0.0945
Android (android.graphics.Color)	4283317754 (0xFF4E3DFA)
YUV	87.6290, 80.0489, -8.4446
Hunter-Lab	34.4449, 54.1119, -133.5394

Details

The CIELCh color $41, 109.518, 304.257$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as dark washed blue. A complement of this color would be $94, 86.019, 108.282$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 81.281, 304.928$, and $23, 106.694, 305.929$ is the 20% darker color. If you saturate the color by 10%, you get $36, 121.674, 305.609$, and if you desaturate by 10%, it is $47, 94.873, 302.568$.

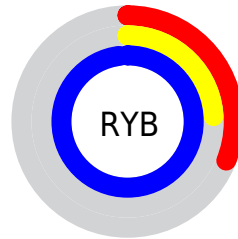
Distribution



Red (31%)

Green (24%)

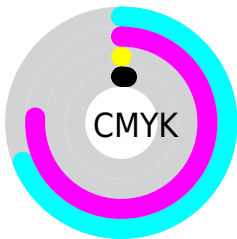
Blue (98%)



Red (31%)

Yellow (24%)

Blue (98%)

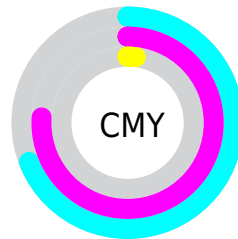


Cyan (69%)

Magenta (76%)

Yellow (0%)

Black (2%)



Cyan (69%)


Magenta (76%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 109.518, 304.257 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, 109.518, 304.257 by changing the saturation by 10% instead.


 41, 109.518,
304.257


 41, 109.518,
304.257


 100, 109.518,
304.257


 31, 109.518,
304.257


 61, 109.518,
304.257


 21, 109.518,
304.257


 71, 109.518,
304.257


 11, 109.518,
304.257


 81, 109.518,
304.257

 1, 109.518,
304.257

 91, 109.518,
304.257

 0, 109.518,
304.257

 41, 109.518,

 41, 109.518,

304.257

304.257

■ 36, 121.674,
305.609

■ 47, 94.873,
302.568

■ 33, 129.307,
306.334

■ 55, 79.374,
300.803

■ 32, 131.358,
306.508

■ 62, 63.920,
299.129

■ 70, 48.897,
297.622

■ 78, 34.436,
296.305

■ 86, 20.556,
295.171

■ 94, 7.234, 294.204

■ 100, 2.513,
109.960

Harmonies

Complementary

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



41, 109.518, 304.257



94, 86.019, 108.282

Rectangle

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



41, 109.518, 304.257



41, 109.518, 354.257



41, 109.518, 124.257



41, 109.518, 174.257

Sweetspot

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



41, 109.519, 304.258



81, 31.275, 295.997



85, 42.272, 208.254



41, 21.810, 296.434



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, 109.519, 304.258



35, 128.443, 306.098



51, 104.886, 314.822



48, 7.399, 294.563



23, 106.222, 306.568



3, 42.283, 302.758

Inverse Universe

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



61, 97.770, 331.173



60, 106.358, 331.871



89, 96.422, 129.084



49, 8.375, 327.500



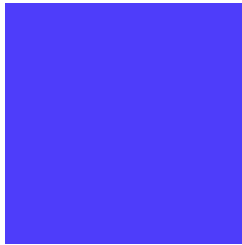
44, 85.858, 332.185



11, 39.194, 331.643

Previews

White Background



This preview shows how the CIELCh color 41, 109.518, 304.257 looks on a white background.

Color Contrast Check

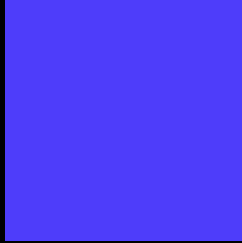
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.518, 304.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

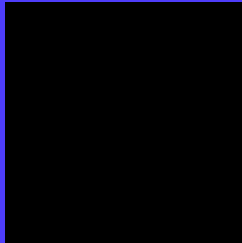
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 109.518, 304.257

Background



This preview shows how black text looks on a background with the CIELCh color 41, 109.518, 304.257.



This preview shows how white text looks on a background with the CIELCh color 41, 109.518, 304.257.

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, 109.518, 304.257

Protanopia

41, 62.650, 286.892

Deuteranopia

41, 42.763, 272.405



Tritanopia
40, 25.451, 206.362

Trichromacy



Original Color
41, 109.518, 304.257

Protanomaly
40, 80.684, 295.251

Deuteranomaly
39, 68.032, 291.472

Tritanomaly
38, 45.637, 280.259

Monochromacy



Original Color
41, 109.518, 304.257

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 42.681, 298.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 109.518, 304.257 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(78, 61, 250)` looks like.

```
.text, #text, p{  
    color:rgb(78, 61, 250)  
}
```

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(78, 61, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 61, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 109.518, 304.257 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(78, 61, 250) }
```

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

```
.border{ border-color:rgb(78, 61, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 61, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 61, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 61, 250);  
box-shadow:4px 4px 4px 4px rgb(78, 61,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 109.518, 304.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 61, 250) }
```

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

```
.background{ background-color: rgb(78, 61,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor