

Converting Colors

CIELCh(44, 44.662, 306.625)

Have a look what the booklet for
CIELCh(44, 44.662, 306.625)
contains.

CIELCh(44, 44.516, 306.334)	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(44, 44.516, 306.334)

Conversions

Conversions Part 1

Format	Color
Hex	745BA4
RGB	116, 91, 164
RGB Percent	45%, 36%, 64%
CMY	0.5456, 0.6436, 0.3574
CMYK	0.29, 0.45, 0.00, 0.36
HSL	261°, 29%, 50%
HSV	261°, 45%, 64%
XYZ	17.6013, 13.8382, 36.7969
YIQ	106.7970, -8.5330, 28.0030

Conversions

Conversions Part 2

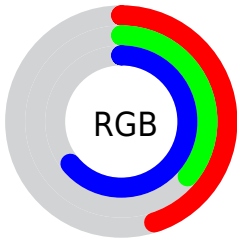
Format	Color
RYB	116, 91, 164
Decimal	7625636
CIELab	44.00, 26.38, -35.86
CIELCh	44, 44.516, 306.334
Yxy	13.8382, 0.2579, 0.2028
Android (android.graphics.Color)	4285815716 (0xFF745BA4)
YUV	106.7970, 28.2011, 8.0710
Hunter-Lab	37.1997, 19.3589, -32.6081

Details

The CIELCh color `44, 44.516, 306.334` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 40.765, 121.028`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 44.060, 306.355`, and `24, 45.018, 306.541` is the 20% darker color. If you saturate the color by 10%, you get `39, 55.084, 307.138`, and if you desaturate by 10%, it is `49, 34.045, 305.561`.

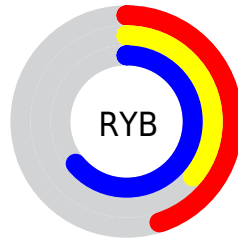
Distribution



Red (45%)

Green (36%)

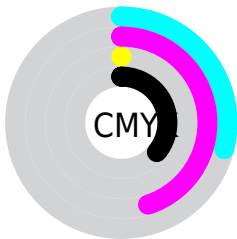
Blue (64%)



Red (45%)

Yellow (36%)

Blue (64%)

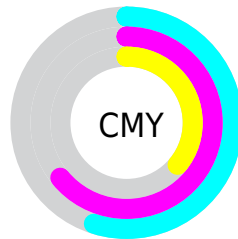


Cyan (29%)

Magenta (45%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 44.516, 306.334 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 44, 44.516, 306.334 by changing the saturation by 10% instead.


 44, 44.516,
306.334

 44, 44.516,
306.334


 100, 44.516,
306.334


 34, 44.516,
306.334

 64, 44.516,
306.334


 24, 44.516,
306.334

 74, 44.516,
306.334

 14, 44.516,
306.334

 84, 44.516,
306.334

 4, 44.516, 306.334

 94, 44.516,
306.334

 0, 44.516, 306.334

 44, 44.516,

 44, 44.516,

306.334

■ 39, 55.084,
307.138

■ 34, 65.484,
307.919

■ 30, 75.238,
308.587

■ 26, 83.606,
309.012

■ 23, 89.689,
309.035

■ 22, 92.463,
309.009

306.334

■ 49, 34.045,
305.561

■ 54, 23.813,
304.844

■ 60, 13.879,
304.195

■ 65, 4.267, 303.611

■ 70, 5.022, 123.127

■ 75, 13.999,
122.677

■ 81, 22.677,
122.291

■ 86, 31.072,
121.957

■ 91, 39.200,
121.669

Harmonies

Complementary

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



44, 44.516, 306.334



64, 40.765, 121.028

Rectangle

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



44, 44.516, 306.334



44, 44.516, 356.334



44, 44.516, 126.334



44, 44.516, 176.334

Sweetspot

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



44, 44.515, 306.334



77, 15.398, 304.116



56, 20.474, 241.623



39, 10.793, 304.246



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



44, 44.515, 306.334



51, 66.541, 307.094



48, 47.356, 321.730



32, 5.335, 303.880



19, 84.580, 309.109



1, 8.148, 302.181

Inverse Universe

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



49, 38.922, 339.601



59, 56.613, 340.560



62, 46.703, 137.185



32, 4.928, 336.661



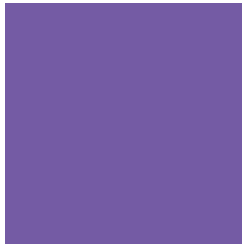
32, 59.409, 347.621



1, 7.300, 338.630

Previews

White Background



This preview shows how the CIELCh color 44, 44.516, 306.334 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 44, 44.516, 306.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

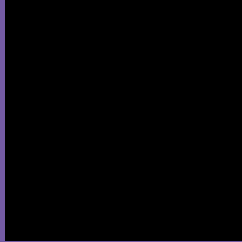
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 44.516, 306.334

Background



This preview shows how black text looks on a background with the CIELCh color 44, 44.516, 306.334.



This preview shows how white text looks on a background with the CIELCh color 44, 44.516, 306.334.

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
44, 4.965, 304.930

Trichromacy



Original Color
44, 44.516, 306.334

Protanomaly
44, 43.076, 292.451

Deuteranomaly
44, 37.749, 291.120

Tritanomaly
44, 19.142, 305.195

Monochromacy



Original Color
44, 44.516, 306.334

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 16.599, 304.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 44.516, 306.334 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(116, 91, 164)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 164)  
}
```

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(116, 91, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 44.516, 306.334 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(116, 91, 164) }
```

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

```
.border{ border-color:rgb(116, 91, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 91, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 91, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 91, 164);  
box-shadow:4px 4px 4px 4px rgb(116, 91,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 44.516, 306.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 164) }
```

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

```
.background{ background-color: rgb(116, 91,  
164) }
```

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