

Converting Colors

CIELCh(44, 44.595, 310.420)

Have a look what the booklet for
CIELCh(44, 44.595, 310.420)
contains.

CIELCh(44, 44.536, 310.406)	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, 44.536, 310.406)

Conversions

Conversions Part 1

Format	Color
Hex	7B59A1
RGB	123, 89, 161
RGB Percent	48%, 35%, 63%
CMY	0.5190, 0.6522, 0.3700
CMYK	0.24, 0.45, 0.00, 0.37
HSL	268°, 29%, 49%
HSV	268°, 45%, 63%
XYZ	18.0672, 13.8382, 35.2746
YIQ	107.3740, -2.8480, 29.6000

Conversions

Conversions Part 2

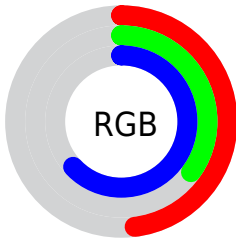
Format	Color
R_{YB}	123, 89, 161
Decimal	8083873
CIE _{Lab}	44.00, 28.87, -33.91
CIE _{LCh}	44, 44.536, 310.406
Yxy	13.8382, 0.2689, 0.2060
Android (android.graphics.Color)	4286273953 (0xFF7B59A1)
YUV	107.3740, 26.4376, 13.7040
Hunter-Lab	37.1997, 21.5947, -30.1818

Details

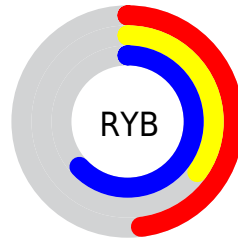
The CIELCh color $44, 44.536, 310.406$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 41.584, 126.008$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 44.237, 310.383$, and $24, 44.661, 310.476$ is the 20% darker color. If you saturate the color by 10%, you get $39, 54.739, 310.957$, and if you desaturate by 10%, it is $49, 34.270, 309.839$.

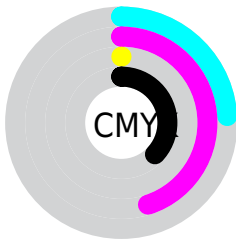
Distribution



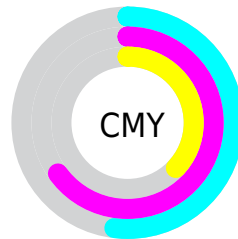
- Red (48%)
- Green (35%)
- Blue (63%)



- Red (48%)
- Yellow (35%)
- Blue (63%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (37%)



- Cyan (52%)
- Magenta (65%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 44.536, 310.406 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, 44.536, 310.406 by changing the saturation by 10% instead.

 44, 44.536,
310.406

 44, 44.536,
310.406

 100, 44.536,
310.406

 34, 44.536,
310.406

 64, 44.536,
310.406

 24, 44.536,
310.406

 74, 44.536,
310.406

 14, 44.536,
310.406

 84, 44.536,
310.406

 4, 44.536, 310.406

 94, 44.536,
310.406

 0, 44.536, 310.406

 44, 44.536,

 44, 44.536,

310.406

■ 39, 54.739,
310.957

■ 35, 64.578,
311.440

■ 31, 73.573,
311.776

■ 28, 81.073,
311.860

■ 25, 86.399,
311.578

■ 24, 88.755,
311.401

310.406

■ 49, 34.270,
309.839

■ 54, 24.126,
309.286

■ 59, 14.199,
308.767

■ 64, 4.540, 308.279

■ 69, 4.832, 127.891

■ 74, 13.914,
127.498

■ 79, 22.712,
127.159

■ 84, 31.235,
126.862

■ 89, 39.498,
126.604

Harmonies

Complementary

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



44, 44.536, 310.406



62, 41.584, 126.008

Rectangle

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



44, 44.536, 310.406



44, 44.536, 0.406



44, 44.536, 130.406



44, 44.536, 180.406

Sweetspot

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



44, 44.535, 310.406



76, 15.427, 308.690



52, 22.540, 259.431



39, 10.805, 308.794



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 44.535, 310.406



51, 66.860, 310.969



48, 48.089, 325.774



31, 5.313, 308.494



21, 81.332, 311.514



1, 6.832, 307.221

Inverse Universe

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



47, 35.573, 346.507



56, 52.329, 347.912



60, 48.106, 140.299



31, 4.382, 342.868



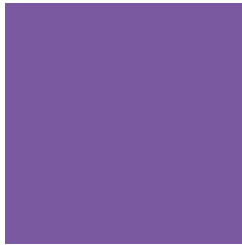
30, 55.483, 358.485



1, 5.568, 343.610

Previews

White Background



This preview shows how the CIELCh color 44, 44.536, 310.406 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 44, 44.536, 310.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

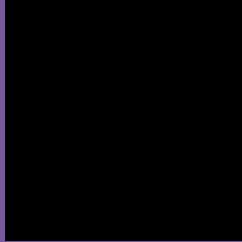
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 44.536, 310.406

Background



This preview shows how black text looks on a background with the CIELCh color 44, 44.536, 310.406.



This preview shows how white text looks on a background with the CIELCh color 44, 44.536, 310.406.

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


44, 44.536, 310.406

Protanopia

44, 42.099, 285.589

Deuteranopia

44, 32.787, 281.254



Tritanopia
44, 6.502, 340.158

Trichromacy



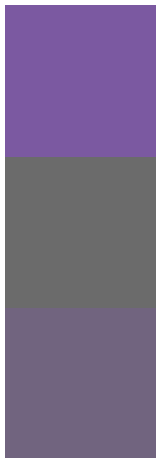
Original Color
44, 44.536, 310.406

Protanomaly
44, 42.513, 293.885

Deuteranomaly
44, 36.566, 293.669

Tritanomaly
44, 19.652, 315.631

Monochromacy



Original Color
44, 44.536, 310.406

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.003, 309.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 44.536, 310.406 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(123, 89, 161)` looks like.

```
.text, #text, p{  
    color:rgb(123, 89, 161)  
}
```

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(123, 89, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 89, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 44.536, 310.406 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(123, 89, 161) }
```

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

```
.border{ border-color:rgb(123, 89, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 89, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 89, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 89, 161);  
box-shadow:4px 4px 4px 4px rgb(123, 89,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 44.536, 310.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 89, 161) }
```

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

```
.background{ background-color: rgb(123, 89,  
161) }
```

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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