

Converting Colors

CIELCh(44, 28.882, 295.517)

Have a look what the booklet for
CIELCh(44, 28.882, 295.517)
contains.

CIELCh(44, 28.834, 295.488)	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, 28.834, 295.488)

Conversions

Conversions Part 1

Format	Color
Hex	656393
RGB	101, 99, 147
RGB Percent	40%, 39%, 58%
CMY	0.6033, 0.6112, 0.4229
CMYK	0.31, 0.33, 0.00, 0.42
HSL	243°, 19%, 48%
HSV	243°, 33%, 58%
XYZ	15.1382, 13.8382, 29.5419
YIQ	105.0700, -14.2160, 15.3520

Conversions

Conversions Part 2

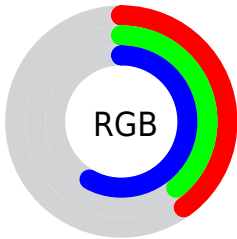
Format	Color
R _{YB}	101, 99, 147
Decimal	6644627
CIE Lab	44.00, 12.41, -26.03
CIE LCh	44, 28.834, 295.488
Yxy	13.8382, 0.2587, 0.2365
Android (android.graphics.Color)	4284834707 (0xFF656393)
YUV	105.0700, 20.6715, -3.5694
Hunter-Lab	37.1997, 7.5398, -21.0449

Details

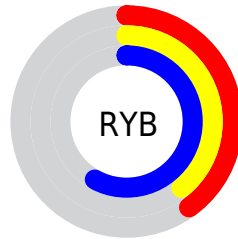
The CIELCh color `44, 28.834, 295.488` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `60, 26.675, 108.962`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 28.533, 295.168`, and `24, 28.464, 295.203` is the 20% darker color. If you saturate the color by 10%, you get `39, 38.453, 297.018`, and if you desaturate by 10%, it is `49, 19.591, 294.163`.

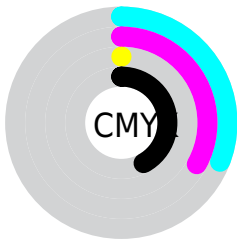
Distribution



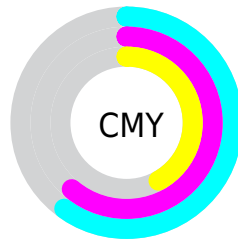
- Red (40%)
- Green (39%)
- Blue (58%)



- Red (40%)
- Yellow (39%)
- Blue (58%)



- Cyan (31%)
- Magenta (33%)
- Yellow (0%)
- Black (42%)



- Cyan (60%)
- Magenta (61%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 28.834, 295.488 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, 28.834, 295.488 by changing the saturation by 10% instead.

 44, 28.834,
295.488

 44, 28.834,
295.488

 100, 28.834,
295.488

 34, 28.834,
295.488

 64, 28.834,
295.488

 24, 28.834,
295.488

 74, 28.834,
295.488

 14, 28.834,
295.488

 84, 28.834,
295.488

 4, 28.834, 295.488

 94, 28.834,
295.488

 0, 28.834, 295.488

 44, 28.834,

 44, 28.834,

295.488

■ 39, 38.453,
297.018

■ 34, 48.419,
298.752

■ 29, 58.595,
300.644

■ 24, 68.616,
302.581

■ 21, 77.704,
304.348

■ 18, 84.626,
305.651

■ 16, 88.588,
306.449

295.488

■ 49, 19.591,
294.163

■ 54, 10.718,
293.028

■ 60, 2.192, 292.070

■ 65, 6.012, 111.216

■ 70, 13.917,
110.510

■ 75, 21.543,
109.901

■ 80, 28.911,
109.377

■ 85, 36.036,
108.923

■ 90, 42.935,
108.530

Harmonies

Complementary

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



44, 28.834, 295.488



60, 26.675, 108.962

Rectangle

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



44, 28.834, 295.488



44, 28.834, 345.488



44, 28.834, 115.488



44, 28.834, 165.488

Sweetspot

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



44, 28.833, 295.488



71, 10.464, 292.779



57, 16.301, 201.140



37, 7.213, 292.909



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



44, 28.833, 295.488



52, 43.314, 296.564



46, 30.104, 311.718



28, 4.784, 292.680



15, 84.386, 306.463



0, 4.117, 291.822

Inverse Universe

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



49, 32.355, 327.339



59, 47.608, 327.714



58, 28.892, 128.764



29, 5.613, 326.053



32, 70.789, 329.922



1, 4.882, 325.574

Previews

White Background



This preview shows how the CIELCh color 44, 28.834, 295.488 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, 28.834, 295.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

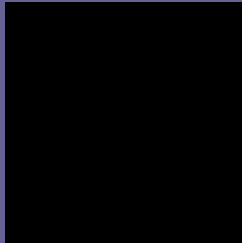
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 28.834, 295.488

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.834, 295.488.



This preview shows how white text looks on a background with the CIELCh color 44, 28.834, 295.488.

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

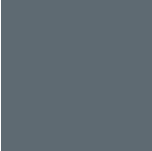
44, 28.834, 295.488

Protanopia

44, 28.900, 285.745

Deuteranopia

44, 25.985, 283.458



Tritanopia
44, 6.583, 245.931

Trichromacy



Original Color
44, 28.834, 295.488

Protanomaly
44, 28.803, 288.886

Deuteranomaly
44, 26.427, 287.267

Tritanomaly
44, 13.360, 280.821

Monochromacy



Original Color
44, 28.834, 295.488

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.206, 293.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 28.834, 295.488 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(101, 99, 147)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 147)  
}
```

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(101, 99, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.834, 295.488 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(101, 99, 147) }
```

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

```
.border{ border-color:rgb(101, 99, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 99, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 147);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.834, 295.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 147) }
```

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

```
.background{ background-color: rgb(101, 99,  
147) }
```

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