

Converting Colors

CIELCh(44, 28.033, 283.372)

Have a look what the booklet for
CIELCh(44, 28.033, 283.372)
contains.

CIELCh(44, 27.814, 283.218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 27.814, 283.218)

Conversions

Conversions Part 1

Format	Color
Hex	576795
RGB	87, 103, 149
RGB Percent	34%, 40%, 58%
CMY	0.6597, 0.5969, 0.4166
CMYK	0.42, 0.31, 0.00, 0.42
HSL	225°, 26%, 46%
HSV	225°, 42%, 58%
XYZ	14.1472, 13.8382, 30.2660
YIQ	103.4600, -24.3020, 10.9140

Conversions

Conversions Part 2

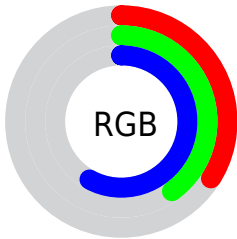
Format	Color
R _Y B	87, 100, 149
Decimal	5728149
CIE Lab	44.00, 6.36, -27.08
CIE LCh	44, 27.814, 283.218
Yxy	13.8382, 0.2429, 0.2376
Android (android.graphics.Color)	4283918229 (0xFF576795)
YUV	103.4600, 22.4512, -14.4354
Hunter-Lab	37.1997, 2.7847, -22.1990

Details

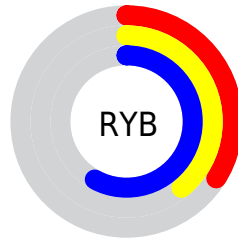
The CIELCh color **44, 27.814, 283.218** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **56, 27.011, 91.620**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 27.585, 282.874**, and **24, 28.097, 283.575** is the 20% darker color. If you saturate the color by 10%, you get **40, 34.957, 285.488**, and if you desaturate by 10%, it is **48, 20.870, 281.257**.

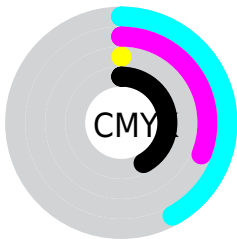
Distribution



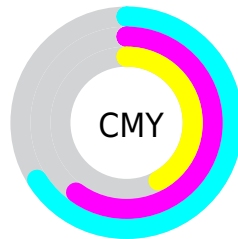
- Red (34%)
- Green (40%)
- Blue (58%)



- Red (34%)
- Yellow (39%)
- Blue (58%)



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



- Cyan (66%)
- Magenta (60%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.814, 283.218 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, 27.814, 283.218 by changing the saturation by 10% instead.


 44, 27.814,
283.218


 44, 27.814,
283.218


 100, 27.814,
283.218


 34, 27.814,
283.218

 64, 27.814,
283.218


 24, 27.814,
283.218


 74, 27.814,
283.218

 14, 27.814,
283.218

 84, 27.814,
283.218

 4, 27.814, 283.218

 94, 27.814,
283.218

 0, 27.814, 283.218

 44, 27.814,

 44, 27.814,

283.218

■ 40, 34.957,
285.488

■ 36, 42.324,
288.082

■ 32, 49.922,
290.981

■ 28, 57.705,
294.106

■ 25, 65.507,
297.297

■ 22, 71.806,
299.727

283.218

■ 48, 20.870,
281.257

■ 52, 14.108,
279.574

■ 57, 7.511, 278.134

■ 61, 1.067, 277.009

■ 65, 5.231, 95.755

■ 69, 11.388, 94.831

■ 73, 17.409, 94.014

■ 78, 23.297, 93.292

■ 82, 29.057, 92.652

Harmonies

Complementary

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



44, 27.814, 283.218



56, 27.011, 91.620

Rectangle

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



44, 27.814, 283.218



44, 27.814, 333.218



44, 27.814, 103.218



44, 27.814, 153.218

Sweetspot

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



44, 27.813, 283.218



72, 9.590, 278.211



57, 24.232, 174.169



37, 6.350, 278.365



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, 27.813, 283.218



52, 41.929, 285.331



41, 38.058, 302.658



29, 3.610, 277.814



20, 67.402, 299.503



1, 3.128, 276.677

Inverse Universe

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



44, 27.767, 3.961



53, 41.564, 5.735



59, 34.680, 116.669



29, 3.539, 359.704



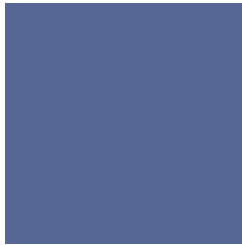
28, 56.145, 23.272



1, 3.034, 358.916

Previews

White Background



This preview shows how the CIELCh color 44, 27.814, 283.218 looks on a white background.

Color Contrast Check

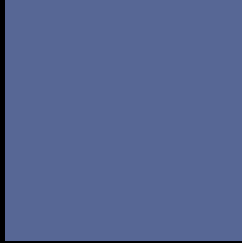
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.814, 283.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

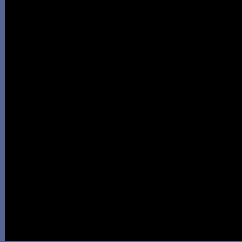
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

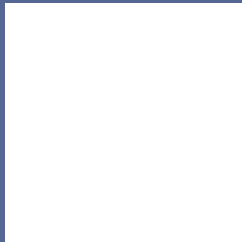
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 27.814, 283.218

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.814, 283.218.

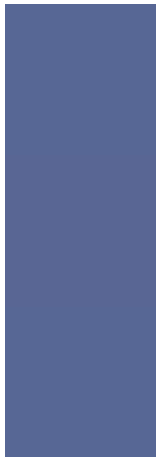


This preview shows how white text looks on a background with the CIELCh color 44, 27.814, 283.218.

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, 27.814, 283.218

Protanopia

44, 27.732, 285.156

Deuteranopia

44, 27.814, 283.218



Tritanopia
44, 12.018, 225.144

Trichromacy



Original Color
44, 27.814, 283.218

Protanomaly
44, 27.772, 284.521

Deuteranomaly
44, 27.814, 283.218

Tritanomaly
44, 15.511, 257.520

Monochromacy



Original Color
44, 27.814, 283.218

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.399, 278.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.814, 283.218 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(87, 103, 149)` looks like.

```
.text, #text, p{  
    color:rgb(87, 103, 149)  
}
```

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(87, 103, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 103, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.814, 283.218 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(87, 103, 149) }
```

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

```
.border{ border-color:rgb(87, 103, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 103, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 103, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 103, 149);  
box-shadow:4px 4px 4px 4px rgb(87, 103,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.814, 283.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 103, 149) }
```

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

```
.background{ background-color: rgb(87, 103,  
149) }
```

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