

Converting Colors

CIELCh(44, 11.814, 248.528)

Have a look what the booklet for
CIELCh(44, 11.814, 248.528)
contains.

CIELCh(44, 11.827, 248.566)	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, 11.827, 248.566)

Conversions

Conversions Part 1

Format	Color
Hex	556B7A
RGB	85, 107, 122
RGB Percent	33%, 42%, 48%
CMY	0.6668, 0.5806, 0.5218
CMYK	0.30, 0.12, 0.00, 0.52
HSL	204°, 18%, 41%
HSV	204°, 30%, 48%
XYZ	12.5043, 13.8382, 20.4080
YIQ	102.1320, -17.9270, 0.0010

Conversions

Conversions Part 2

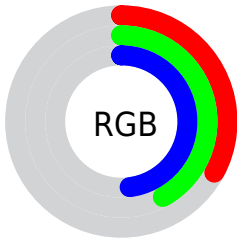
Format	Color
R_{YB}	85, 99, 122
Decimal	5598074
CIE _{Lab}	44.00, -4.32, -11.01
CIE _{LCh}	44, 11.827, 248.566
Yxy	13.8382, 0.2675, 0.2960
Android (android.graphics.Color)	4283788154 (0xFF556B7A)
YUV	102.1320, 9.7949, -15.0248
Hunter-Lab	37.1997, -5.0984, -6.4871

Details

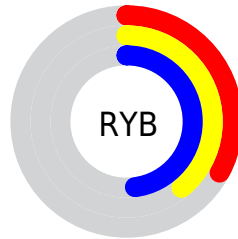
The CIELCh color **44, 11.827, 248.566** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 13.442, 61.568**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 11.637, 249.284**, and **24, 11.604, 246.826** is the 20% darker color. If you saturate the color by 10%, you get **42, 15.440, 250.455**, and if you desaturate by 10%, it is **46, 8.054, 247.002**.

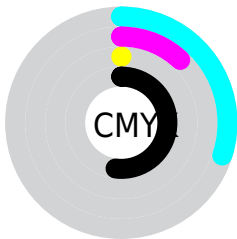
Distribution



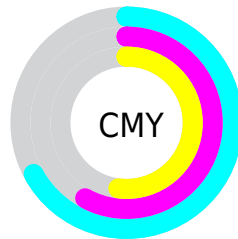
- Red (33%)
- Green (42%)
- Blue (48%)



- Red (33%)
- Yellow (39%)
- Blue (48%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (52%)



- Cyan (67%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 11.827, 248.566 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, 11.827, 248.566 by changing the saturation by 10% instead.

 44, 11.827,
248.566


 44, 11.827,
248.566

 100, 11.827,
248.566

 34, 11.827,
248.566

 64, 11.827,
248.566


 24, 11.827,
248.566

 74, 11.827,
248.566

 14, 11.827,
248.566


 84, 11.827,
248.566

 4, 11.827, 248.566

 94, 11.827,
248.566

 0, 11.827, 248.566

 44, 11.827,

 44, 11.827,

248.566

248.566

■ 42, 15.440,
250.455

■ 46, 8.054, 247.002

■ 39, 18.870,
252.741

■ 49, 4.150, 245.733

■ 51, 0.141, 246.746

■ 37, 22.104,
255.488

■ 54, 3.947, 63.585

■ 35, 25.145,
258.751

■ 56, 8.093, 62.858

■ 58, 12.276, 62.220

■ 33, 28.023,
262.559

■ 61, 16.482, 61.670

■ 31, 30.799,
266.882

■ 63, 20.697, 61.194

■ 66, 24.910, 60.781

■ 30, 33.533,
271.106

Harmonies

Complementary

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



44, 11.827, 248.566



44, 13.442, 61.568

Rectangle

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



44, 11.827, 248.566



44, 11.827, 298.566



44, 11.827, 68.566



44, 11.827, 118.566

Sweetspot

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



44, 11.826, 248.562



62, 4.475, 245.611



48, 19.812, 156.131



32, 3.088, 245.742



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 11.826, 248.562



55, 17.155, 249.757



39, 20.452, 289.588



24, 2.272, 245.595



30, 34.190, 271.243



61, 60.056, 274.128

Inverse Universe

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



41, 20.153, 341.271



50, 29.550, 341.883



49, 19.367, 102.725



24, 3.707, 339.497



26, 51.705, 352.221



55, 86.243, 354.041

Previews

White Background



This preview shows how the CIELCh color 44, 11.827, 248.566 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, 11.827, 248.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

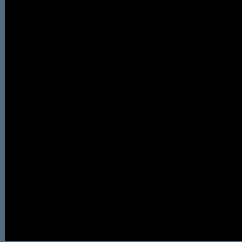
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

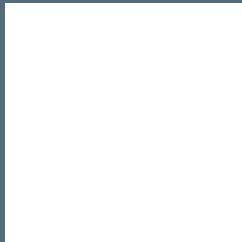
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 11.827, 248.566

Background



This preview shows how black text looks on a background with the CIELCh color 44, 11.827, 248.566.

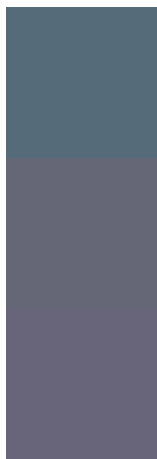


This preview shows how white text looks on a background with the CIELCh color 44, 11.827, 248.566.

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, 11.827, 248.566

Protanopia

44, 9.612, 286.943

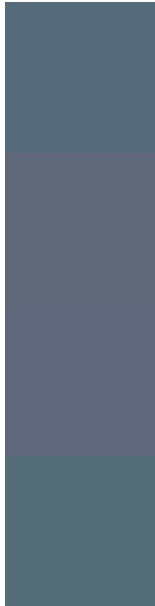
Deuteranopia

44, 13.292, 296.988



Tritanopia
44, 10.270, 230.395

Trichromacy



Original Color
44, 11.827, 248.566

Protanomaly
44, 10.091, 271.807

Deuteranomaly
44, 12.151, 281.197

Tritanomaly
44, 10.844, 236.234

Monochromacy



Original Color
44, 11.827, 248.566

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 4.320, 243.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 11.827, 248.566 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(85, 107, 122)` looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 122)  
}
```

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(85, 107, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 11.827, 248.566 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(85, 107, 122) }
```

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

```
.border{ border-color:rgb(85, 107, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 107, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 11.827, 248.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 122) }
```

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

```
.background{ background-color: rgb(85, 107,  
122) }
```

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