

Converting Colors

CIELCh(44, 11.336, 255.259)

Have a look what the booklet for
CIELCh(44, 11.336, 255.259)
contains.

CIELCh(44, 11.462, 256.136)	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, 11.462, 256.136)

Conversions

Conversions Part 1

Format	Color
Hex	586A7A
RGB	88, 106, 122
RGB Percent	35%, 42%, 48%
CMY	0.6542, 0.5836, 0.5208
CMYK	0.28, 0.13, 0.00, 0.52
HSL	208°, 16%, 41%
HSV	208°, 28%, 48%
XYZ	12.7382, 13.8382, 20.4718
YIQ	102.4420, -15.8640, 1.1600

Conversions

Conversions Part 2

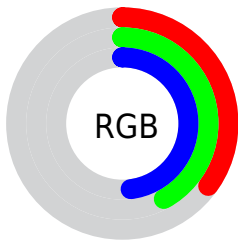
Format	Color
R_{YB}	88, 100, 122
Decimal	5794426
CIE _{Lab}	44.00, -2.75, -11.13
CIE _{LCh}	44, 11.462, 256.136
Yxy	13.8382, 0.2707, 0.2941
Android (android.graphics.Color)	4283984506 (0xFF586A7A)
YUV	102.4420, 9.6421, -12.6656
Hunter-Lab	37.1997, -3.9763, -6.5886

Details

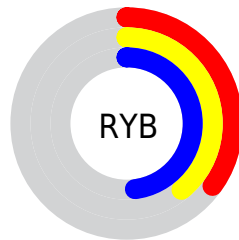
The CIELCh color **44, 11.462, 256.136** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 12.492, 68.992**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 11.270, 256.681**, and **24, 11.269, 254.722** is the 20% darker color. If you saturate the color by 10%, you get **41, 15.422, 258.067**, and if you desaturate by 10%, it is **47, 7.407, 254.512**.

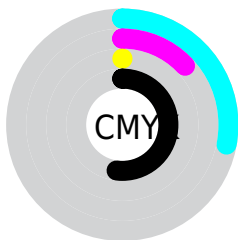
Distribution



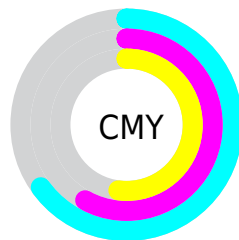
- Red (35%)
- Green (42%)
- Blue (48%)



- Red (35%)
- Yellow (39%)
- Blue (48%)



- Cyan (28%)
- Magenta (13%)
- Yellow (0%)
- Black (52%)



- Cyan (65%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 11.462, 256.136 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, 11.462, 256.136 by changing the saturation by 10% instead.


 44, 11.462,
256.136


 44, 11.462,
256.136


 100, 11.462,
256.136


 34, 11.462,
256.136

 64, 11.462,
256.136


 24, 11.462,
256.136

 74, 11.462,
256.136

 14, 11.462,
256.136


 84, 11.462,
256.136

 4, 11.462, 256.136

 94, 11.462,
256.136

 0, 11.462, 256.136

 44, 11.462,

 44, 11.462,

256.136

■ 41, 15.422,
258.067

■ 39, 19.276,
260.369

■ 36, 23.016,
263.094

■ 34, 26.651,
266.285

■ 32, 30.211,
269.958

■ 30, 33.751,
274.073

■ 28, 37.367,
278.341

■ 27, 38.180,
279.192

256.136

■ 47, 7.407, 254.512

■ 49, 3.278, 253.180

■ 52, 0.907, 71.628

■ 55, 5.129, 70.879

■ 57, 9.374, 70.048

■ 60, 13.627, 69.317

■ 63, 17.876, 68.678

■ 65, 22.114, 68.116

■ 68, 26.331, 67.619

Harmonies

Complementary

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



44, 11.462, 256.136



45, 12.492, 68.992

Rectangle

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



44, 11.462, 256.136



44, 11.462, 306.136



44, 11.462, 76.136



44, 11.462, 126.136

Sweetspot

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



44, 11.461, 256.132



63, 4.134, 253.222



48, 17.301, 159.531



32, 2.919, 253.376



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, 11.461, 256.132



55, 16.683, 257.244



39, 20.145, 292.069



24, 2.359, 253.327



28, 38.881, 279.311



56, 68.795, 282.000

Inverse Universe

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



42, 17.744, 344.443



51, 26.016, 345.045



50, 18.988, 106.168



24, 3.542, 342.755



26, 50.476, 357.815



55, 84.431, 0.082

Previews

White Background



This preview shows how the CIELCh color 44, 11.462, 256.136 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, 11.462, 256.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

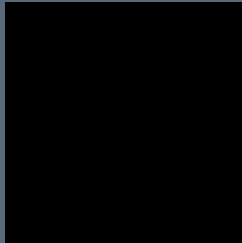
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

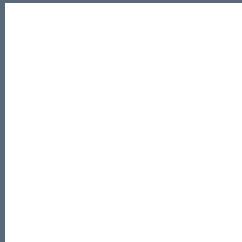
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 11.462, 256.136

Background



This preview shows how black text looks on a background with the CIELCh color 44, 11.462, 256.136.



This preview shows how white text looks on a background with the CIELCh color 44, 11.462, 256.136.

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

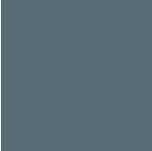
44, 11.462, 256.136

Protanopia

44, 10.208, 287.313

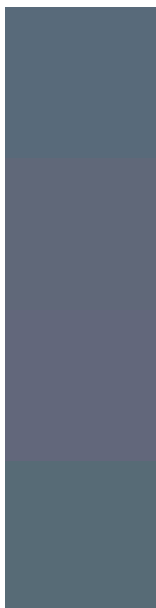
Deuteranopia

44, 13.292, 296.988



Tritanopia
44, 9.124, 235.141

Trichromacy



Original Color
44, 11.462, 256.136

Protanomaly
44, 10.550, 274.967

Deuteranomaly
44, 12.097, 282.929

Tritanomaly
44, 9.795, 241.284

Monochromacy



Original Color
44, 11.462, 256.136

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.274, 256.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 11.462, 256.136 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(88, 106, 122)` looks like.

```
.text, #text, p{  
    color:rgb(88, 106, 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(88, 106, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 106, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 11.462, 256.136 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(88, 106, 122) }
```

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

```
.border{ border-color:rgb(88, 106, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 106, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 106, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 106, 122);  
box-shadow:4px 4px 4px 4px rgb(88, 106,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 11.462, 256.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 106, 122) }
```

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

```
.background{ background-color: rgb(88, 106,  
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