

Converting Colors

CIELCh(44, 8.841, 236.530)

Have a look what the booklet for
CIELCh(44, 8.841, 236.530) contains.

CIELCh(44, 8.841, 236.530)	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, 8.841, 236.530)

Conversions

Conversions Part 1

Format	Color
Hex	586B74
RGB	88, 107, 116
RGB Percent	35%, 42%, 45%
CMY	0.6551, 0.5806, 0.5453
CMYK	0.24, 0.08, 0.00, 0.55
HSL	199°, 14%, 40%
HSV	199°, 24%, 45%
XYZ	12.4228, 13.8382, 18.5252
YIQ	102.3450, -14.2130, -1.2290

Conversions

Conversions Part 2

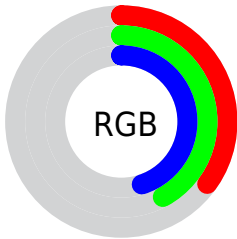
Format	Color
R_{YB}	88, 99, 116
Decimal	5794676
CIE Lab	44.00, -4.88, -7.37
CIE LCh	44, 8.841, 236.530
Yxy	13.8382, 0.2774, 0.3090
Android (android.graphics.Color)	4283984756 (0xFF586B74)
YUV	102.3450, 6.7319, -12.5806
Hunter-Lab	37.1997, -5.4896, -3.4861

Details

The CIELCh color **44, 8.841, 236.530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 10.046, 52.554**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 8.984, 237.460**, and **24, 8.716, 236.161** is the 20% darker color. If you saturate the color by 10%, you get **42, 12.190, 237.867**, and if you desaturate by 10%, it is **46, 5.292, 235.460**.

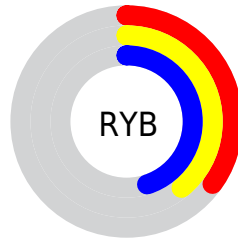
Distribution



Red (35%)

Green (42%)

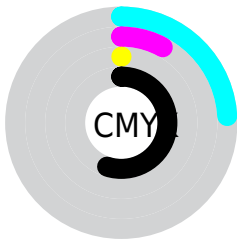
Blue (45%)



Red (35%)

Yellow (39%)

Blue (45%)

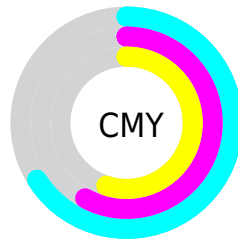


Cyan (24%)

Magenta (8%)

Yellow (0%)

Black (55%)



Cyan (66%)

Magenta (58%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 8.841, 236.530 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, 8.841, 236.530 by changing the saturation by 10% instead.

■ 44, 8.841, 236.530

■ 44, 8.841, 236.530

■ 100, 8.841,
236.530

■ 34, 8.841, 236.530

■ 64, 8.841, 236.530

■ 24, 8.841, 236.530

■ 74, 8.841, 236.530

■ 14, 8.841, 236.530

■ 84, 8.841, 236.530

■ 4, 8.841, 236.530

■ 94, 8.841, 236.530

■ 0, 8.841, 236.530

■ 44, 8.841, 236.530

■ 44, 8.841, 236.530

■ 42, 12.190,
237.867

■ 46, 5.292, 235.460

■ 40, 15.302,

■ 48, 1.581, 234.730

239.541

50, 2.258, 53.666

38, 18.142,
241.617

52, 6.195, 53.187

37, 20.687,
244.170

54, 10.204, 52.744

35, 22.933,
247.274

56, 14.264, 52.376

34, 24.904,
250.981

61, 22.470, 51.823

32, 26.674,
255.251

63, 26.590, 51.616

31, 27.740,
257.679

Harmonies

Complementary

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



44, 8.841, 236.530



43, 10.046, 52.554

Rectangle

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



44, 8.841, 236.530



44, 8.841, 286.530



44, 8.841, 56.530



44, 8.841, 106.530

Sweetspot

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



44, 8.841, 236.524



60, 3.285, 234.888



46, 16.159, 153.186



31, 2.149, 234.915



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 8.841, 236.524



55, 12.965, 237.237



40, 14.035, 284.414



24, 2.146, 235.023



33, 28.919, 258.000



66, 50.490, 261.050

Inverse Universe

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



41, 16.271, 336.821



50, 24.204, 337.249



47, 13.639, 98.764



23, 3.796, 335.723



26, 53.276, 345.646



55, 89.387, 346.954

Previews

White Background



This preview shows how the CIELCh color 44, 8.841, 236.530 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, 8.841, 236.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

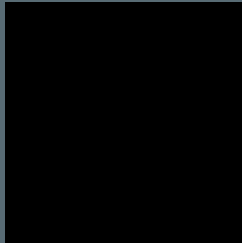
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

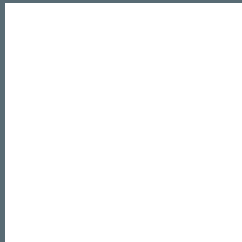
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 8.841, 236.530

Background



This preview shows how black text looks on a background with the CIELCh color 44, 8.841, 236.530.



This preview shows how white text looks on a background with the CIELCh color 44, 8.841, 236.530.

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

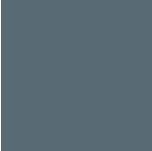
44, 8.841, 236.530

Protanopia

44, 6.599, 291.124

Deuteranopia

44, 10.038, 307.487



Tritanopia
44, 8.841, 236.530

Trichromacy



Original Color
44, 8.841, 236.530

Protanomaly
44, 6.945, 271.468

Deuteranomaly
44, 8.419, 286.081

Tritanomaly
44, 8.841, 236.530

Monochromacy



Original Color
44, 8.841, 236.530

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 3.304, 232.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 8.841, 236.530 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, 107, 116)` looks like.

```
.text, #text, p{  
    color:rgb(88, 107, 116)  
}
```

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, 107, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 107, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 8.841, 236.530 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, 107, 116) }
```

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

```
.border{ border-color:rgb(88, 107, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 107, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 107, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 107, 116);  
box-shadow:4px 4px 4px 4px rgb(88, 107,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 8.841, 236.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 107, 116) }
```

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

```
.background{ background-color: rgb(88, 107,  
116) }
```

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