

Converting Colors

CIELCh(42, 8.800, 218.324)

Have a look what the booklet for
CIELCh(42, 8.800, 218.324) contains.

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Color

CIELCh(42, 8.852, 218.559)

Conversions

Conversions Part 1

Format	Color
Hex	51676C
RGB	81, 103, 108
RGB Percent	32%, 40%, 42%
CMY	0.6828, 0.5966, 0.5770
CMYK	0.25, 0.05, 0.00, 0.58
HSL	191°, 14%, 37%
HSV	191°, 25%, 42%
XYZ	10.9211, 12.5000, 15.9899
YIQ	96.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

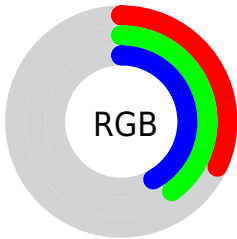
Format	Color
R_{YB}	81, 93, 108
Decimal	5334892
CIE _{Lab}	42.00, -6.92, -5.52
CIE _{LCh}	42, 8.852, 218.559
Yxy	12.5000, 0.2771, 0.3172
Android (android.graphics.Color)	4283524972 (0xFF51676C)
YUV	96.9920, 5.4269, -14.0250
Hunter-Lab	35.3553, -6.7341, -2.0659

Details

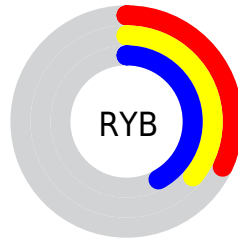
The CIELCh color **42, 8.852, 218.559** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 10.388, 37.634**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 8.766, 217.479**, and **22, 8.901, 220.388** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.968, 219.116**, and if you desaturate by 10%, it is **43, 5.471, 218.177**.

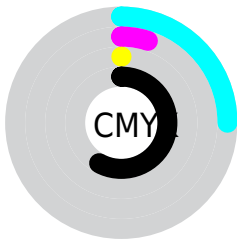
Distribution



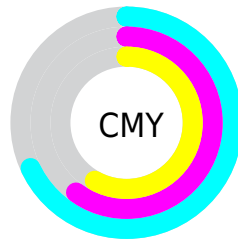
- Red (32%)
- Green (40%)
- Blue (42%)



- Red (32%)
- Yellow (36%)
- Blue (42%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (68%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.852, 218.559 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 42, 8.852, 218.559 by changing the saturation by 10% instead.

■ 42, 8.852, 218.559

■ 42, 8.852, 218.559

■ 100, 8.852,
218.559

■ 32, 8.852, 218.559

■ 62, 8.852, 218.559

■ 22, 8.852, 218.559

■ 72, 8.852, 218.559

■ 12, 8.852, 218.559

■ 82, 8.852, 218.559

■ 2, 8.852, 218.559

■ 92, 8.852, 218.559

■ 0, 8.852, 218.559

■ 42, 8.852, 218.559

■ 42, 8.852, 218.559

■ 41, 11.968,
219.116

■ 43, 5.471, 218.177

■ 39, 14.768,

■ 45, 1.875, 218.038

219.901

46, 1.891, 37.515

38, 17.201,
220.956

48, 5.788, 37.572

37, 19.226,
222.340

49, 9.783, 37.595

36, 20.815,
224.118

51, 13.848, 37.655

35, 21.968,
226.357

53, 17.960, 37.749

55, 22.101, 37.869

34, 22.756,
229.048

56, 26.257, 38.010

34, 23.139,
230.375

Harmonies

Complementary

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



42, 8.852, 218.559



39, 10.388, 37.634

Rectangle

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



42, 8.852, 218.559



42, 8.852, 268.559



42, 8.852, 38.559



42, 8.852, 88.559

Sweetspot

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



42, 8.852, 218.553



57, 3.675, 218.037



43, 17.432, 148.269



29, 2.624, 218.052



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 8.852, 218.553



53, 12.910, 218.855



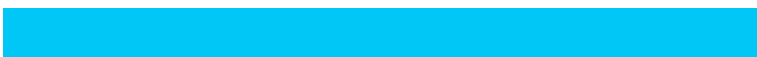
38, 11.713, 275.868



22, 2.065, 218.045



37, 24.567, 230.735



75, 42.393, 233.028

Inverse Universe

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



38, 17.474, 331.486



47, 25.965, 331.847



42, 11.720, 89.448



21, 3.876, 330.500



26, 56.689, 336.841



56, 96.784, 337.457

Previews

White Background



This preview shows how the CIELCh color 42, 8.852, 218.559 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 42, 8.852, 218.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

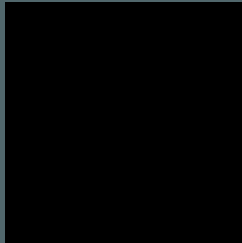
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

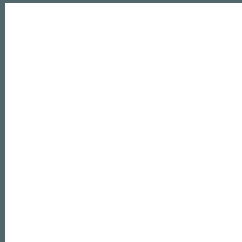
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 8.852, 218.559

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.852, 218.559.



This preview shows how white text looks on a background with the CIELCh color 42, 8.852, 218.559.

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


42, 8.852, 218.559

Protanopia

42, 4.263, 296.267

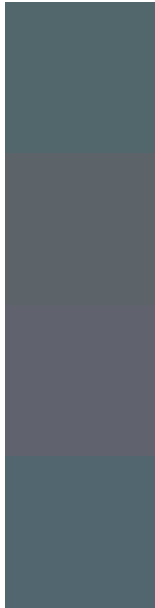
Deuteranopia

42, 8.547, 313.455



Tritanopia
42, 9.459, 233.961

Trichromacy



Original Color
42, 8.852, 218.559

Protanomaly
42, 4.767, 248.881

Deuteranomaly
42, 6.136, 279.907

Tritanomaly
42, 9.175, 230.610

Monochromacy



Original Color
42, 8.852, 218.559

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.432, 219.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 8.852, 218.559 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(81, 103, 108)` looks like.

```
.text, #text, p{  
    color:rgb(81, 103, 108)  
}
```

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(81, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 103, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 8.852, 218.559 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(81, 103, 108) }
```

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

```
.border{ border-color:rgb(81, 103, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 103, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(81, 103,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 8.852, 218.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 103, 108) }
```

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

```
.background{ background-color: rgb(81, 103,  
108) }
```

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](#).

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