

Converting Colors

CIELCh(42, 8.856, 196.660)

Have a look what the booklet for
CIELCh(42, 8.856, 196.660) contains.

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Color

CIELCh(42, 8.601, 198.394)

Conversions

Conversions Part 1

Format	Color
Hex	516767
RGB	81, 103, 103
RGB Percent	32%, 40%, 40%
CMY	0.6813, 0.5950, 0.5950
CMYK	0.21, 0.00, 0.00, 0.60
HSL	180°, 12%, 36%
HSV	180°, 21%, 40%
XYZ	10.7549, 12.5000, 14.7489
YIQ	96.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

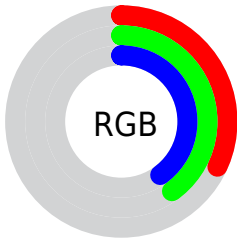
Format	Color
R _Y B	81, 92, 103
Decimal	5334887
CIE Lab	42.00, -8.16, -2.71
CIE LCh	42, 8.601, 198.394
Yxy	12.5000, 0.2830, 0.3289
Android (android.graphics.Color)	4283524967 (0xFF516767)
YUV	96.4220, 3.2430, -13.5251
Hunter-Lab	35.3553, -7.5734, 0.0152




Details

The CIELCh color **42, 8.601, 198.394** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 9.809, 20.824**, and the grayscale version is **41, 0.006, 296.813**.




A 20% lighter version of the original color is **62, 8.504, 198.678**, and **22, 8.713, 197.840** is the 20% darker color. If you saturate the color by 10%, you get **41, 12.225, 197.944**, and if you desaturate by 10%, it is **43, 4.692, 198.894**.

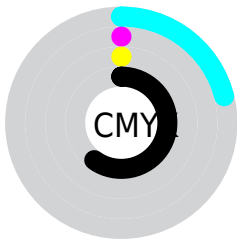
Distribution







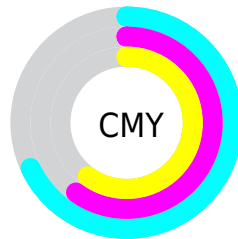
-  Red (32%)
-  Green (40%)
-  Blue (40%)






-  Red (32%)
-  Yellow (36%)
-  Blue (40%)



-  Cyan (21%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.601, 198.394 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, 8.601, 198.394 by changing the saturation by 10% instead.

■ 42, 8.601, 198.394

■ 42, 8.601, 198.394

■ 100, 8.601,
198.394

■ 32, 8.601, 198.394

■ 62, 8.601, 198.394

■ 22, 8.601, 198.394

■ 72, 8.601, 198.394

■ 12, 8.601, 198.394

■ 82, 8.601, 198.394

■ 2, 8.601, 198.394

■ 92, 8.601, 198.394

■ 0, 8.601, 198.394

■ 42, 8.601, 198.394

■ 42, 8.601, 198.394

■ 41, 12.225,
197.944

■ 43, 4.692, 198.894

■ 41, 15.503,

■ 44, 0.555, 199.944

197.554

45, 3.753, 19.774

40, 18.376,
197.218

46, 8.184, 20.381

40, 20.798,
196.939

47, 12.697, 20.969

40, 22.734,
196.718

48, 17.258, 21.559

39, 24.171,
196.556

49, 21.838, 22.152

39, 25.126,
196.448

50, 26.416, 22.743

39, 25.798,
196.373

Harmonies

Complementary

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



42, 8.601, 198.394



37, 9.809, 20.824

Rectangle

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



42, 8.601, 198.394



42, 8.601, 248.394



42, 8.601, 18.394



42, 8.601, 68.394

Sweetspot

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



42, 8.601, 198.388



56, 3.141, 199.210



41, 16.193, 142.751



29, 2.098, 199.179



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 8.601, 198.388



54, 12.865, 198.140



39, 7.771, 256.438



21, 2.318, 199.032



43, 27.799, 196.373



87, 48.209, 196.372

Inverse Universe

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



37, 9.809, 20.824



46, 15.223, 21.341



40, 8.237, 71.156



19, 2.443, 19.837



22, 55.894, 37.347



51, 100.588, 39.997

Previews

White Background



This preview shows how the CIELCh color 42, 8.601, 198.394 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, 8.601, 198.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

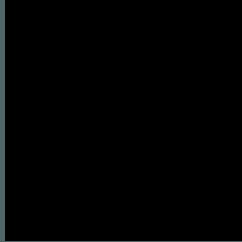
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

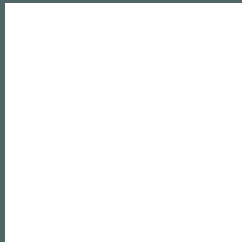
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 8.601, 198.394

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.601, 198.394.



This preview shows how white text looks on a background with the CIELCh color 42, 8.601, 198.394.

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

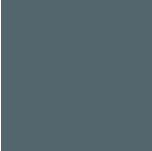
42, 8.601, 198.394

Protanopia

42, 1.479, 324.439

Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 8.580, 233.179

Trichromacy



Original Color

42, 8.601, 198.394

Protanomaly

42, 2.898, 211.237

Deuteranomaly

42, 3.117, 275.571

Tritanomaly

42, 8.383, 224.386

Monochromacy



Original Color

42, 8.601, 198.394

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 3.262, 199.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 8.601, 198.394 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, 103)` looks like.

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

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, 103) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 42, 8.601, 198.394 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, 103) }
```

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

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

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, 103)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 42, 8.601, 198.394 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, 103) }
```

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

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

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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