

Converting Colors

CIELCh(42, 8.177, 196.961)

Have a look what the booklet for
CIELCh(42, 8.177, 196.961) contains.

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Color

CIELCh(42, 8.234, 198.440)

Conversions

Conversions Part 1

Format	Color
Hex	526767
RGB	82, 103, 103
RGB Percent	32%, 40%, 40%
CMY	0.6780, 0.5957, 0.5957
CMYK	0.20, 0.00, 0.00, 0.60
HSL	180°, 11%, 36%
HSV	180°, 20%, 40%
XYZ	10.8017, 12.5000, 14.7018
YIQ	96.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

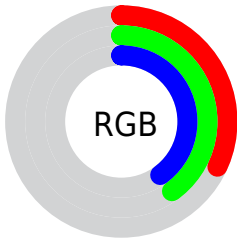
Format	Color
R_{YB}	82, 93, 103
Decimal	5400423
CIE _{Lab}	42.00, -7.81, -2.60
CIE _{LCh}	42, 8.234, 198.440
Yxy	12.5000, 0.2842, 0.3289
Android (android.graphics.Color)	4283590503 (0xFF526767)
YUV	96.7210, 3.0955, -12.9103
Hunter-Lab	35.3553, -7.3371, 0.0943

Details

The CIELCh color **42, 8.234, 198.440** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 9.332, 20.742**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 8.149, 198.713**, and **22, 8.349, 197.906** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.883, 197.985**, and if you desaturate by 10%, it is **43, 4.306, 198.948**.

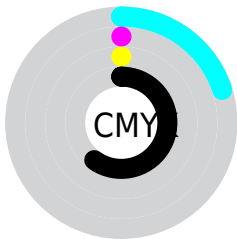
Distribution



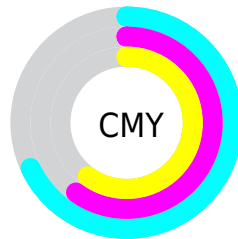
- Red (32%)
- Green (40%)
- Blue (40%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.234, 198.440 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, 8.234, 198.440 by changing the saturation by 10% instead.

■ 42, 8.234, 198.440

■ 42, 8.234, 198.440

■ 100, 8.234,
198.440

■ 32, 8.234, 198.440

■ 62, 8.234, 198.440

■ 22, 8.234, 198.440

■ 72, 8.234, 198.440

■ 12, 8.234, 198.440

■ 82, 8.234, 198.440

■ 2, 8.234, 198.440

■ 92, 8.234, 198.440

■ 0, 8.234, 198.440

■ 42, 8.234, 198.440

■ 42, 8.234, 198.440

■ 41, 11.883,
197.985

■ 43, 4.306, 198.948

■ 41, 15.191,

■ 44, 0.157, 201.550

197.590

45, 4.159, 19.835

40, 18.101,
197.248

46, 8.594, 20.437

40, 20.564,
196.964

47, 13.106, 21.025

40, 22.544,
196.738

48, 17.663, 21.615

39, 24.027,
196.570

49, 22.238, 22.208

39, 25.023,
196.458

50, 26.809, 22.799

39, 25.768,
196.374

52, 31.360, 23.386

Harmonies

Complementary

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



42, 8.234, 198.440



37, 9.332, 20.742

Rectangle

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



42, 8.234, 198.440



42, 8.234, 248.440



42, 8.234, 18.440



42, 8.234, 68.440

Sweetspot

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



42, 8.234, 198.434



56, 3.141, 199.211



41, 15.456, 142.816



29, 2.098, 199.180



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, 8.234, 198.434



54, 11.955, 198.233



39, 7.424, 256.293



21, 2.318, 199.033



43, 27.799, 196.374



87, 48.209, 196.373

Inverse Universe

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



37, 9.332, 20.742



47, 13.949, 21.139



40, 7.846, 71.262



19, 2.443, 19.838



22, 55.894, 37.348



51, 100.588, 39.998

Previews

White Background



This preview shows how the CIELCh color 42, 8.234, 198.440 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, 8.234, 198.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

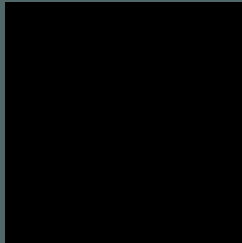
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

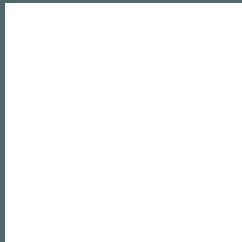
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 8.234, 198.440

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.234, 198.440.



This preview shows how white text looks on a background with the CIELCh color 42, 8.234, 198.440.

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

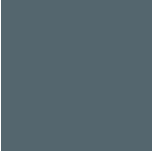
42, 8.234, 198.440

Protanopia

42, 1.479, 324.439

Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color

42, 8.234, 198.440

Protanomaly

42, 2.898, 211.237

Deuteranomaly

42, 3.117, 275.571

Tritanomaly

42, 7.855, 221.373

Monochromacy



Original Color

42, 8.234, 198.440

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 2.861, 199.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 8.234, 198.440 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(82, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 8.234, 198.440 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(82, 103, 103) }
```

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

```
.border{ border-color:rgb(82, 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(82, 103, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(82, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 8.234, 198.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 103, 103) }
```

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

```
.background{ background-color: rgb(82, 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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