

Converting Colors

CIELCh(42, 8.981, 196.491)

Have a look what the booklet for
CIELCh(42, 8.981, 196.491) contains.

CIELCh(42, 8.966, 198.349)	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(42, 8.966, 198.349)

Conversions

Conversions Part 1

Format	Color
Hex	506767
RGB	80, 103, 103
RGB Percent	31%, 40%, 40%
CMY	0.6846, 0.5944, 0.5944
CMYK	0.22, 0.00, 0.00, 0.59
HSL	180°, 13%, 36%
HSV	180°, 22%, 41%
XYZ	10.7084, 12.5000, 14.7957
YIQ	96.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

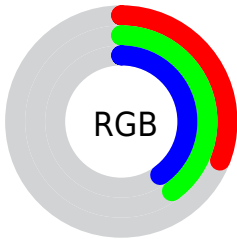
Format	Color
R_{YB}	80, 92, 103
Decimal	5269351
CIE _{Lab}	42.00, -8.51, -2.82
CIE _{LCh}	42, 8.966, 198.349
Yxy	12.5000, 0.2818, 0.3289
Android (android.graphics.Color)	4283459431 (0xFF506767)
YUV	96.1230, 3.3904, -14.1399
Hunter-Lab	35.3553, -7.8078, -0.0632

Details

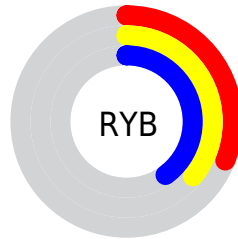
The CIELCh color **42, 8.966, 198.349** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 10.290, 20.909**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 8.858, 198.644**, and **22, 9.071, 197.776** is the 20% darker color. If you saturate the color by 10%, you get **41, 12.565, 197.905**, and if you desaturate by 10%, it is **43, 5.076, 198.842**.

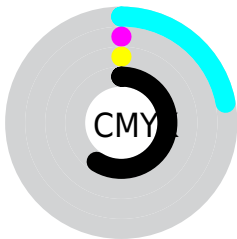
Distribution



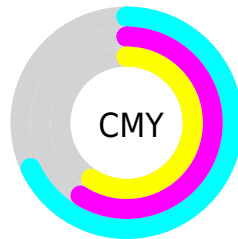
- Red (31%)
- Green (40%)
- Blue (40%)



- Red (31%)
- Yellow (36%)
- Blue (40%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (59%)



- Cyan (68%)
- Magenta (59%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.966, 198.349 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, 8.966, 198.349 by changing the saturation by 10% instead.

■ 42, 8.966, 198.349

■ 42, 8.966, 198.349

■ 100, 8.966,
198.349

■ 32, 8.966, 198.349

■ 62, 8.966, 198.349

■ 22, 8.966, 198.349

■ 72, 8.966, 198.349

■ 12, 8.966, 198.349

■ 82, 8.966, 198.349

■ 2, 8.966, 198.349

■ 92, 8.966, 198.349

■ 0, 8.966, 198.349

■ 42, 8.966, 198.349

■ 42, 8.966, 198.349

■ 41, 12.565,
197.905

■ 43, 5.076, 198.842

■ 41, 15.811,

■ 44, 0.953, 199.638

197.519

44, 3.347, 19.711

40, 18.648,
197.188

45, 7.775, 20.325

40, 21.027,
196.914

47, 12.288, 20.914

40, 22.918,
196.700

48, 16.851, 21.504

39, 24.310,
196.542

49, 21.436, 22.096

39, 25.228,
196.439

50, 26.022, 22.688

39, 25.828,
196.372

Harmonies

Complementary

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



42, 8.966, 198.349



37, 10.290, 20.909

Rectangle

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



42, 8.966, 198.349



42, 8.966, 248.349



42, 8.966, 18.349



42, 8.966, 68.349

Sweetspot

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



42, 8.966, 198.343



56, 3.657, 199.139



41, 16.932, 142.685



29, 2.393, 199.116



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, 8.966, 198.343



54, 13.313, 198.094



39, 8.119, 256.585



21, 2.318, 199.032



43, 27.799, 196.372



87, 48.209, 196.371

Inverse Universe

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



37, 10.290, 20.909



46, 15.867, 21.446



40, 8.631, 71.049



19, 2.443, 19.837



22, 55.894, 37.347



51, 100.587, 39.997

Previews

White Background



This preview shows how the CIELCh color 42, 8.966, 198.349 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, 8.966, 198.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

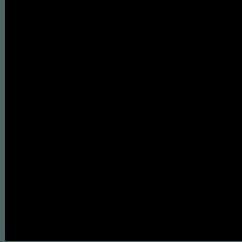
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

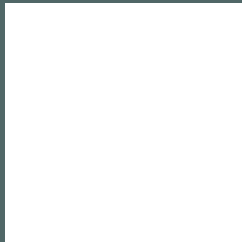
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 8.966, 198.349

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.966, 198.349.



This preview shows how white text looks on a background with the CIELCh color 42, 8.966, 198.349.

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, 8.966, 198.349

Protanopia

42, 1.479, 324.439

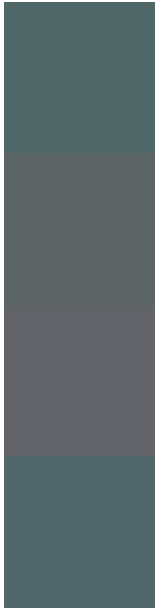
Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 9.173, 235.259

Trichromacy



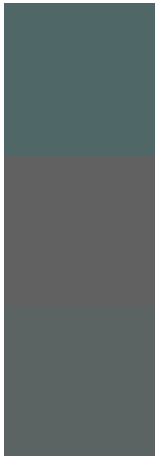
Original Color
42, 8.966, 198.349

Protanomaly
42, 2.898, 211.237

Deuteranomaly
42, 3.117, 275.571

Tritanomaly
42, 8.852, 218.559

Monochromacy



Original Color
42, 8.966, 198.349

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, 8.966, 198.349 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(80, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 8.966, 198.349 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(80, 103, 103) }
```

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

```
.border{ border-color:rgb(80, 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(80, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(80, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 8.966, 198.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 103, 103) }
```

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

```
.background{ background-color: rgb(80, 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](#).

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