

Converting Colors

CIELCh(42, 9.578, 190.220)

Have a look what the booklet for
CIELCh(42, 9.578, 190.220) contains.

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Color

CIELCh(42, 9.506, 190.938)

Conversions

Conversions Part 1

Format	Color
Hex	506866
RGB	80, 104, 102
RGB Percent	31%, 41%, 40%
CMY	0.6872, 0.5931, 0.6010
CMYK	0.23, 0.00, 0.02, 0.59
HSL	175°, 13%, 36%
HSV	175°, 23%, 41%
XYZ	10.5993, 12.5000, 14.3602
YIQ	96.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

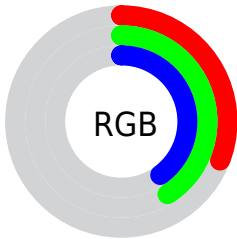
Format	Color
R_{YB}	80, 93, 104
Decimal	5269606
CIE _{Lab}	42.00, -9.33, -1.80
CIE _{LCh}	42, 9.506, 190.938
Yxy	12.5000, 0.2830, 0.3337
Android (android.graphics.Color)	4283459686 (0xFF506866)
YUV	96.5960, 2.6642, -14.5547
Hunter-Lab	35.3553, -8.3588, 0.6670

Details

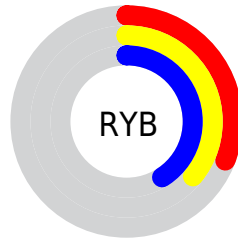
The CIELCh color **42, 9.506, 190.938** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 10.726, 14.474**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 9.348, 191.673**, and **22, 9.695, 189.639** is the 20% darker color. If you saturate the color by 10%, you get **41, 13.230, 190.223**, and if you desaturate by 10%, it is **43, 5.522, 191.655**.

Distribution



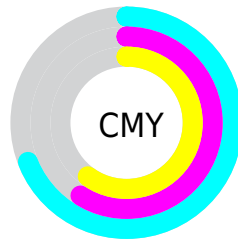
- Red (31%)
- Green (41%)
- Blue (40%)



- Red (31%)
- Yellow (36%)
- Blue (41%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (59%)















- Cyan (69%)
- Magenta (59%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.506, 190.938 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, 9.506, 190.938 by changing the saturation by 10% instead.

 42, 9.506, 190.938	 42, 9.506, 190.938
 100, 9.506, 190.938	 32, 9.506, 190.938
 62, 9.506, 190.938	 22, 9.506, 190.938
 72, 9.506, 190.938	 12, 9.506, 190.938
 82, 9.506, 190.938	 2, 9.506, 190.938
 92, 9.506, 190.938	 0, 9.506, 190.938

 42, 9.506, 190.938	 42, 9.506, 190.938
 41, 13.230, 190.223	 43, 5.522, 191.655
 41, 16.630,	 44, 1.338, 192.539

189.511

45, 2.991, 12.869

40, 19.645,
188.789

46, 7.415, 13.624

40, 22.221,
188.048

47, 11.896, 14.324

40, 24.321,
187.277

48, 16.400, 15.009

39, 25.927,
186.464

50, 25.379, 16.344

39, 27.070,
185.598

52, 29.820, 16.993

39, 27.783,
185.017

Harmonies

Complementary

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



42, 9.506, 190.938



36, 10.726, 14.474

Rectangle

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



42, 9.506, 190.938



42, 9.506, 240.938



42, 9.506, 10.938



42, 9.506, 60.938

Sweetspot

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



42, 9.507, 190.933



56, 3.701, 192.115



42, 17.174, 140.489



29, 2.422, 192.086



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, 9.507, 190.933



54, 14.080, 190.530



39, 7.967, 246.666



21, 2.348, 191.976



43, 29.869, 184.895



86, 52.069, 184.250

Inverse Universe

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



36, 10.726, 14.474



45, 16.414, 15.125



39, 8.756, 61.676



19, 2.455, 13.093



22, 53.832, 33.987



51, 97.127, 37.339

Previews

White Background



This preview shows how the CIELCh color 42, 9.506, 190.938 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, 9.506, 190.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

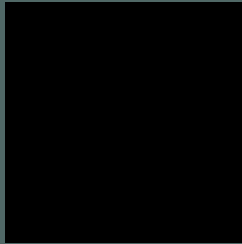
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

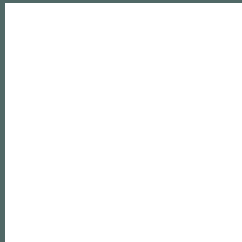
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 9.506, 190.938

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.506, 190.938.



This preview shows how white text looks on a background with the CIELCh color 42, 9.506, 190.938.

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, 9.506, 190.938

Protanopia

42, 1.397, 353.742

Deuteranopia

42, 5.947, 334.855



Tritanopia
42, 9.173, 235.259

Trichromacy



Original Color

42, 9.506, 190.938

Protanomaly

42, 2.856, 199.162

Deuteranomaly

42, 2.690, 263.639

Tritanomaly

42, 8.852, 218.559

Monochromacy



Original Color

42, 9.506, 190.938

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 3.737, 189.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.506, 190.938 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, 104, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 104, 102)  
}
```

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, 104, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 104, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.506, 190.938 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, 104, 102) }
```

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

```
.border{ border-color:rgb(80, 104, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 104, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 104, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 104, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 104,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.506, 190.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 104, 102) }
```

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

```
.background{ background-color: rgb(80, 104,  
102) }
```

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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