

Converting Colors

CIELCh(42, 18.231, 160.647)

Have a look what the booklet for
CIELCh(42, 18.231, 160.647)
contains.

CIELCh(42, 18.201, 160.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 18.201, 160.675)

Conversions

Conversions Part 1

Format	Color
Hex	476B59
RGB	71, 107, 89
RGB Percent	28%, 42%, 35%
CMY	0.7227, 0.5815, 0.6521
CMYK	0.34, 0.00, 0.17, 0.58
HSL	150°, 20%, 35%
HSV	150°, 34%, 42%
XYZ	9.5965, 12.5000, 11.2962
YIQ	94.1840, -15.6780, -13.2300

Conversions

Conversions Part 2

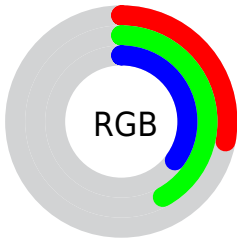
Format	Color
RYB	71, 95, 107
Decimal	4680537
CIELab	42.00, -17.18, 6.02
CIElCh	42, 18.201, 160.675
Yxy	12.5000, 0.2874, 0.3743
Android (android.graphics.Color)	4282870617 (0xFF476B59)
YUV	94.1840, -2.5557, -20.3324
Hunter-Lab	35.3553, -13.4214, 5.8053

Details

The CIELCh color **42, 18.201, 160.675** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 18.925, 346.649**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 18.359, 160.211**, and **22, 17.626, 161.603** is the 20% darker color. If you saturate the color by 10%, you get **41, 23.340, 159.553**, and if you desaturate by 10%, it is **43, 12.888, 161.679**.

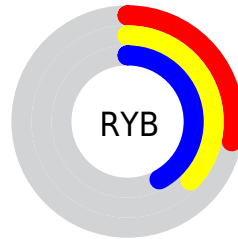
Distribution



Red (28%)

Green (42%)

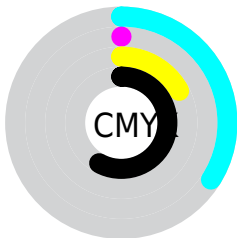
Blue (35%)



Red (28%)

Yellow (37%)

Blue (42%)

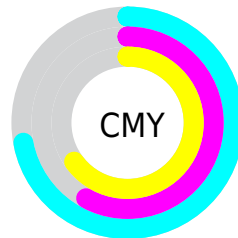


Cyan (34%)

Magenta (0%)

Yellow (17%)

Black (58%)



Cyan (72%)


Magenta (58%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.201, 160.675 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, 18.201, 160.675 by changing the saturation by 10% instead.


 42, 18.201,
160.675


 42, 18.201,
160.675


 100, 18.201,
160.675


 32, 18.201,
160.675

 62, 18.201,
160.675


 22, 18.201,
160.675

 72, 18.201,
160.675

 12, 18.201,
160.675


 82, 18.201,
160.675

 2, 18.201, 160.675

 92, 18.201,
160.675

 0, 18.201, 160.675

 42, 18.201,

 42, 18.201,

160.675

■ 41, 23.340,
159.553

■ 41, 28.220,
158.294

■ 40, 32.760,
156.877

■ 40, 36.889,
155.283

■ 39, 40.557,
153.500

■ 39, 43.769,
151.554

■ 39, 45.712,
150.417

160.675

■ 43, 12.888,
161.679

■ 44, 7.473, 162.592

■ 45, 2.024, 163.498

■ 46, 3.405, 344.039

■ 47, 8.773, 344.767

■ 48, 14.048,
345.410

■ 50, 19.209,
346.002

■ 51, 24.240,
346.555

■ 52, 29.134,
347.073

Harmonies

Complementary

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



42, 18.201, 160.675



35, 18.925, 346.649

Rectangle

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



42, 18.201, 160.675



42, 18.201, 210.675



42, 18.201, 340.675



42, 18.201, 30.675

Sweetspot

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



42, 18.202, 160.674



56, 6.710, 162.894



43, 22.748, 127.587



28, 4.544, 162.806



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, 18.202, 160.674



53, 26.410, 159.863



43, 13.401, 197.849



22, 3.067, 163.007



43, 49.155, 150.151



85, 87.109, 148.712

Inverse Universe

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



35, 18.925, 346.649



42, 27.657, 347.477



34, 16.677, 22.132



21, 3.103, 344.308



24, 47.925, 0.170



53, 82.062, 2.850

Previews

White Background



This preview shows how the CIE LCh color 42, 18.201, 160.675 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 CIELCh color 42, 18.201, 160.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

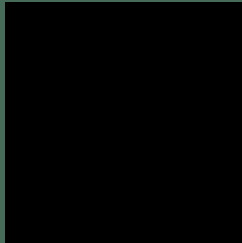
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 18.201, 160.675

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.201, 160.675.



This preview shows how white text looks on a background with the CIELCh color 42, 18.201, 160.675.

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, 18.201, 160.675

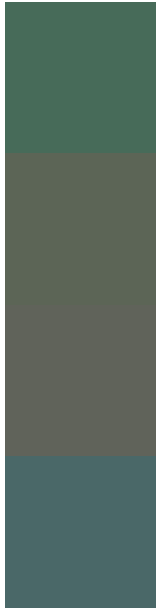
Protanopia
42, 8.258, 90.348

Deuteranopia
42, 7.384, 39.171



Tritanopia
42, 11.191, 227.677

Trichromacy



Original Color
42, 18.201, 160.675

Protanomaly
42, 9.844, 131.894

Deuteranomaly
41, 5.584, 122.598

Tritanomaly
42, 11.427, 198.056

Monochromacy



Original Color
42, 18.201, 160.675

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 6.914, 160.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 18.201, 160.675 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(71, 107, 89)` looks like.

```
.text, #text, p{  
    color:rgb(71, 107, 89)  
}
```

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(71, 107, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 107, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.201, 160.675 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(71, 107, 89) }
```

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

```
.border{ border-color:rgb(71, 107, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 107, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 107, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 107, 89);  
box-shadow:4px 4px 4px 4px rgb(71, 107,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.201, 160.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 107, 89) }
```

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

```
.background{ background-color: rgb(71, 107,  
89) }
```

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