

Converting Colors

CIELCh(42, 11.172, 198.092)

Have a look what the booklet for
CIELCh(42, 11.172, 198.092)
contains.

CIELCh(42, 11.083, 198.098)	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, 11.083, 198.098)

Conversions

Conversions Part 1

Format	Color
Hex	4B6868
RGB	75, 104, 104
RGB Percent	29%, 41%, 41%
CMY	0.7044, 0.5906, 0.5906
CMYK	0.28, 0.00, 0.00, 0.59
HSL	180°, 16%, 35%
HSV	180°, 28%, 41%
XYZ	10.4413, 12.5000, 15.0651
YIQ	95.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

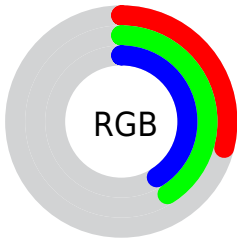
Format	Color
RYB	75, 90, 104
Decimal	4941928
CIELab	42.00, -10.53, -3.44
CIElCh	42, 11.083, 198.098
Yxy	12.5000, 0.2747, 0.3289
Android (android.graphics.Color)	4283132008 (0xFF4B6868)
YUV	95.3290, 4.2748, -17.8285
Hunter-Lab	35.3553, -9.1562, -0.5150

Details

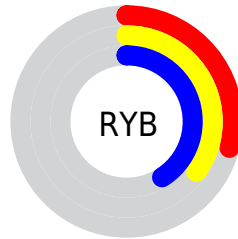
The CIELCh color **42, 11.083, 198.098** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 13.214, 21.451**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 10.936, 198.451**, and **22, 11.077, 197.440** is the 20% darker color. If you saturate the color by 10%, you get **41, 14.519, 197.684**, and if you desaturate by 10%, it is **43, 7.319, 198.557**.

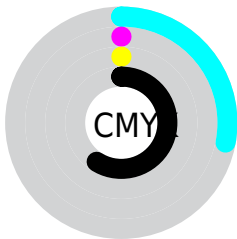
Distribution



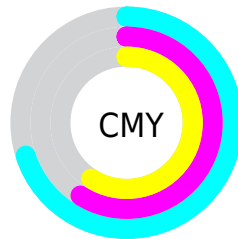
- Red (29%)
- Green (41%)
- Blue (41%)



- Red (29%)
- Yellow (35%)
- Blue (41%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (59%)





- Cyan (70%)
- Magenta (59%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 11.083, 198.098 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, 11.083, 198.098 by changing the saturation by 10% instead.


 42, 11.083,
198.098


 42, 11.083,
198.098


 100, 11.083,
198.098


 32, 11.083,
198.098

 62, 11.083,
198.098


 22, 11.083,
198.098

 72, 11.083,
198.098


 12, 11.083,
198.098


 82, 11.083,
198.098

 2, 11.083, 198.098

 92, 11.083,
198.098

 0, 11.083, 198.098

 42, 11.083,

 42, 11.083,

198.098

■ 41, 14.519,
197.684

■ 41, 17.565,
197.328

■ 40, 20.171,
197.029

■ 40, 22.295,
196.788

■ 40, 23.918,
196.606

■ 40, 25.042,
196.480

■ 40, 25.825,
196.393

■ 40, 25.997,
196.374

198.098

■ 43, 7.319, 198.557

■ 43, 3.287, 199.101

■ 44, 0.953, 19.155

■ 45, 5.349, 19.996

■ 46, 9.854, 20.590

■ 47, 14.428, 21.180

■ 49, 19.039, 21.772

■ 50, 23.662, 22.365

■ 51, 28.277, 22.956

Harmonies

Complementary

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



42, 11.083, 198.098



35, 13.214, 21.451

Rectangle

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



42, 11.083, 198.098



42, 11.083, 248.098



42, 11.083, 18.098



42, 11.083, 68.098

Sweetspot

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



42, 11.083, 198.094



56, 4.169, 199.074



41, 21.314, 142.277



29, 2.978, 199.002



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, 11.083, 198.094



53, 15.913, 197.837



38, 10.176, 257.508



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.



35, 13.214, 21.451



43, 19.817, 22.138



39, 11.007, 70.415



19, 2.443, 19.838



22, 55.894, 37.347



51, 100.588, 39.998

Previews

White Background



This preview shows how the CIELCh color 42, 11.083, 198.098 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, 11.083, 198.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

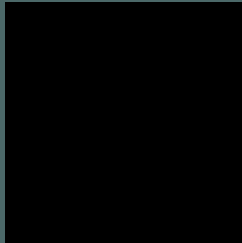
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 11.083, 198.098

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.083, 198.098.



This preview shows how white text looks on a background with the CIELCh color 42, 11.083, 198.098.

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, 11.083, 198.098

Protanopia

42, 2.007, 314.731

Deuteranopia

42, 7.117, 322.124



Tritanopia
42, 10.899, 228.566

Trichromacy



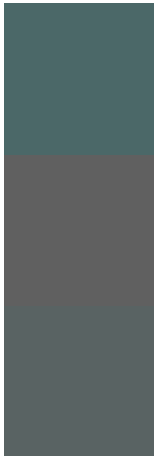
Original Color
42, 11.083, 198.098

Protanomaly
42, 3.799, 217.682

Deuteranomaly
42, 4.110, 261.541

Tritanomaly
42, 10.825, 214.558

Monochromacy



Original Color
42, 11.083, 198.098

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.059, 198.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.083, 198.098 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(75, 104, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 104, 104)  
}
```

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(75, 104, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 104, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.083, 198.098 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(75, 104, 104) }
```

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

```
.border{ border-color:rgb(75, 104, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 104, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 104, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 104, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 104,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.083, 198.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 104, 104) }
```

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

```
.background{ background-color: rgb(75, 104,  
104) }
```

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