Converting Colors

CIELCh(41, 10.405, 198.163)

Have a look what the booklet for CIELCh(41, 10.405, 198.163) contains.

Color

CIELCh(41, 10.405, 198.163)

Conversions

Conversions Part 1

Format	Color
Hex	4B6666
RGB	75, 102, 102
RGB Percent	29%, 40%, 40%
CMY	0.7073, 0.6014, 0.6014
CMYK	0.27, 0.00, 0.00, 0.60
HSL	180°, 15%, 35%
HSV	180°, 27%, 40%
XYZ	9.9696, 11.8645, 14.2402
YIQ	93.9270, -16.0920, -5.7240

Conversions

Conversions Part 2

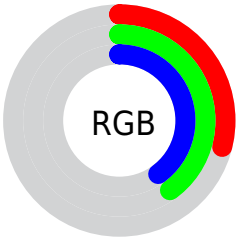
Format	Color
RYB	75, 89, 102
Decimal	4941414
CIELab	41.00, -9.89, -3.24
CIELCh	41, 10.405, 198.163
Yxy	11.8645, 0.2764, 0.3289
Android (android.graphics.Color)	4283131494 (0xFF4B6666)
YUV	93.9270, 3.9800, -16.5990
Hunter-Lab	34.4449, -8.6144, -0.4002

Details

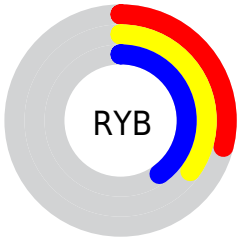
The CIELCh color 41, 10.405, 198.163 is a dark color, and the websafe version is hex 336666. A complement of this color would be 35, 12.292, 21.322, and the grayscale version is 40, 0.006, 296.813.

A 20% lighter version of the original color is 61, 10.265, 198.505, and 21, 10.437, 197.510 is the 20% darker color. If you saturate the color by 10%, you get 40, 13.812, 197.743, and if you desaturate by 10%, it is 42, 6.686, 198.628.

Distribution

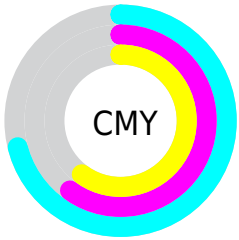


- Red (29%)
- Green (40%)
- Blue (40%)



- Red (29%)
- Yellow (35%)
- Blue (40%)

- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



- Cyan (71%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 10.405, 198.163 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 41, 10.405, 198.163 by changing the saturation by 10% instead.

41, 10.405, 198.163

41, 10.405, 198.163

100, 10.405, 198.163

31, 10.405, 198.163

61, 10.405, 198.163

21, 10.405, 198.163

71, 10.405, 198.163

11, 10.405, 198.163

81, 10.405, 198.163

1, 10.405, 198.163

0, 10.405, 198.163

91, 10.405, 198.163

41, 10.405,

41, 10.405,

198.163

40, 13.812, 197.743

40, 16.847, 197.382

39, 19.459, 197.076

39, 21.605, 196.828

39, 23.265, 196.638

39, 24.436, 196.505

39, 25.239, 196.415

39, 25.509, 196.385

198.163

42, 6.686, 198.628

42, 2.713, 199.191

43, 1.456, 19.356

44, 5.771, 20.074

45, 10.187, 20.664

46, 14.667, 21.252

48, 19.180, 21.842

49, 23.702, 22.433

50, 28.214, 23.022

Harmonies

Complementary

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

41, 10.405, 198.163

35, 12.292, 21.322

Rectangle

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

41, 10.405, 198.163

41, 10.405, 248.163

41, 10.405, 18.163

41, 10.405, 68.163

Sweetspot

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

41, 10.405, 198.158

55, 4.105, 199.081

40, 19.923, 142.377

28, 2.886, 199.011

78, 0.009, 296.813

28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

41, 10.405, 198.158

52, 15.255, 197.888

37, 9.521, 257.281

21, 2.318, 199.039

43, 27.797, 196.384

87, 48.206, 196.384

Inverse Universe

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

35, 12.292, 21.322

43, 18.849, 22.014

38, 10.256, 70.566

19, 2.443, 19.844

22, 55.896, 37.350

51, 100.591, 40.000

Previews

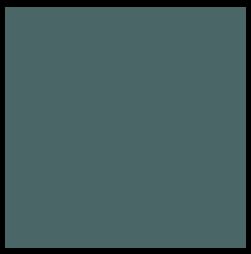
White Background

This preview shows how the CIELCh color 41, 10.405, 198.163 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



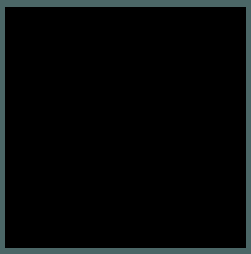
This preview shows how the CIELCh color 41, 10.405, 198.163 looks on a black background.

Color Contrast Check

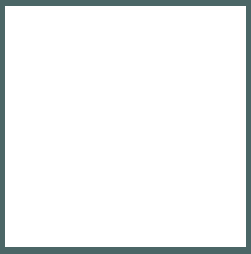
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 41, 10.405, 198.163 Background



This preview shows how black text looks on a background with the CIELCh color 41, 10.405, 198.163.



This preview shows how white text looks on a background with the CIELCh color 41, 10.405, 198.163.

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
41, 10.405, 198.163

Protanopia
41, 1.484, 324.443

Deuteranopia
41, 6.635, 324.866

Tritanopia
41, 10.389, 226.450

Trichromacy

Original Color
41, 10.405, 198.163

Protanomaly
41, 3.299, 209.726

Deuteranomaly
41, 3.954, 266.676

Tritanomaly
41, 9.866, 216.370

Monochromacy

Original Color
41, 10.405, 198.163

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.072, 198.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 10.405, 198.163 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, 102, 102) looks like.

```
.text, #text, p{
    color:rgb(75, 102, 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(75, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 102, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 10.405, 198.163 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, 102, 102) }
```

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

```
.border{ border-color:rgb(75, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(75, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(75, 102, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(75, 102, 102); box-shadow:4px 4px 4px 4px rgb(75, 102, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 10.405, 198.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(75, 102, 102) }
```

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

```
.background{ background-color:rgb(75, 102,
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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