

Converting Colors

CIELCh(41, 6.906, 198.568)

Have a look what the booklet for
CIELCh(41, 6.906, 198.568) contains.

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Color

CIELCh(41, 6.767, 198.608)

Conversions

Conversions Part 1

Format	Color
Hex	536464
RGB	83, 100, 100
RGB Percent	33%, 39%, 39%
CMY	0.6746, 0.6080, 0.6080
CMYK	0.17, 0.00, 0.00, 0.61
HSL	180°, 9%, 36%
HSV	180°, 17%, 39%
XYZ	10.4166, 11.8645, 13.7888
YIQ	94.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

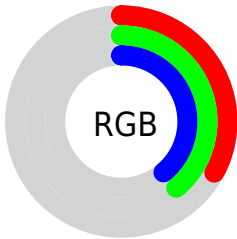
Format	Color
R_{YB}	83, 92, 100
Decimal	5465188
CIE Lab	41.00, -6.41, -2.16
CIE LCh	41, 6.767, 198.608
Yxy	11.8645, 0.2888, 0.3289
Android (android.graphics.Color)	4283655268 (0xFF536464)
YUV	94.9170, 2.5059, -10.4512
Hunter-Lab	34.4449, -6.2976, 0.3768

Details

The CIELCh color **41, 6.767, 198.608** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 7.499, 20.453**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 6.735, 198.843**, and **21, 6.473, 198.208** is the 20% darker color. If you saturate the color by 10%, you get **40, 10.425, 198.134**, and if you desaturate by 10%, it is **42, 2.858, 199.155**.

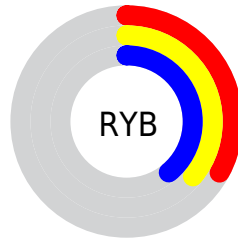
Distribution



Red (33%)

Green (39%)

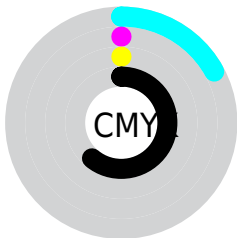
Blue (39%)



Red (33%)

Yellow (36%)

Blue (39%)

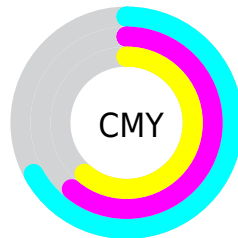


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (61%)



Cyan (67%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 6.767, 198.608 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, 6.767, 198.608 by changing the saturation by 10% instead.

■ 41, 6.767, 198.608

■ 41, 6.767, 198.608

■ 100, 6.767,
198.608

■ 31, 6.767, 198.608

■ 61, 6.767, 198.608

■ 21, 6.767, 198.608

■ 71, 6.767, 198.608

■ 11, 6.767, 198.608

■ 81, 6.767, 198.608

■ 1, 6.767, 198.608

■ 91, 6.767, 198.608

■ 0, 6.767, 198.608

■ 41, 6.767, 198.608

■ 41, 6.767, 198.608

■ 40, 10.425,
198.134

■ 42, 2.858, 199.155

■ 40, 13.772,

■ 43, 1.247, 19.289

197.722

44, 5.498, 20.040

39, 16.752,
197.362

45, 9.850, 20.629

39, 19.313,
197.058

46, 14.267, 21.216

38, 21.416,
196.812

47, 18.717, 21.805

38, 23.038,
196.624

48, 23.178, 22.395

38, 24.180,
196.493

49, 27.630, 22.983

38, 24.979,
196.401

38, 25.215,
196.374

Harmonies

Complementary

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



41, 6.767, 198.608



37, 7.499, 20.453

Rectangle

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



41, 6.767, 198.608



41, 6.767, 248.608



41, 6.767, 18.608



41, 6.767, 68.608

Sweetspot

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



41, 6.767, 198.600



54, 2.542, 199.290



41, 12.565, 143.045



28, 1.746, 199.251



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, 6.767, 198.600



52, 9.780, 198.427



38, 6.056, 255.786



21, 2.318, 199.033



43, 27.799, 196.373



87, 48.209, 196.373

Inverse Universe

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



37, 7.499, 20.453



47, 11.093, 20.754



39, 6.334, 71.648



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 41, 6.767, 198.608 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 41, 6.767, 198.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

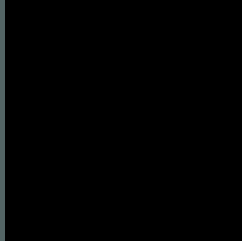
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

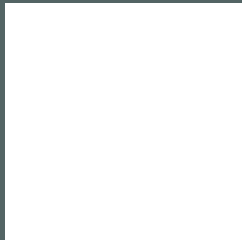
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 6.767, 198.608

Background



This preview shows how black text looks on a background with the CIELCh color 41, 6.767, 198.608.



This preview shows how white text looks on a background with the CIELCh color 41, 6.767, 198.608.

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

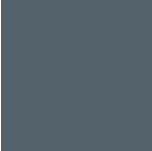
41, 6.767, 198.608

Protanopia

41, 1.484, 324.443

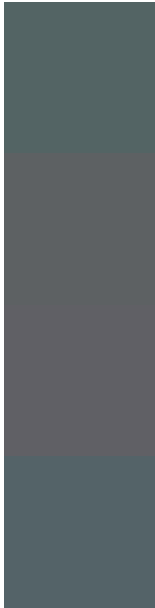
Deuteranopia

41, 5.967, 334.867



Tritanopia
41, 7.455, 239.695

Trichromacy



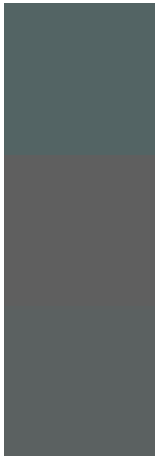
Original Color
41, 6.767, 198.608

Protanomaly
41, 2.023, 236.321

Deuteranomaly
41, 3.040, 290.648

Tritanomaly
41, 6.544, 226.552

Monochromacy



Original Color
41, 6.767, 198.608

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 2.466, 199.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 6.767, 198.608 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(83, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(83, 100, 100)  
}
```

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(83, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 100, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 6.767, 198.608 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(83, 100, 100) }
```

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

```
.border{ border-color:rgb(83, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(83, 100,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 6.767, 198.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 100, 100) }
```

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

```
.background{ background-color: rgb(83, 100,  
100) }
```

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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