

Converting Colors

CIELCh(41, 22.648, 199.010)

Have a look what the booklet for
CIELCh(41, 22.648, 199.010)
contains.

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Color

CIELCh(41, 22.845, 198.333)

Conversions

Conversions Part 1

Format	Color
Hex	216B6C
RGB	33, 107, 108
RGB Percent	13%, 42%, 42%
CMY	0.8717, 0.5813, 0.5773
CMYK	0.70, 0.01, 0.00, 0.58
HSL	181°, 53%, 28%
HSV	181°, 70%, 42%
XYZ	8.5467, 11.8645, 15.9644
YIQ	84.9880, -44.4250, -15.3770

Conversions

Conversions Part 2

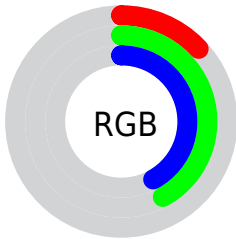
Format	Color
R_{YB}	33, 70, 108
Decimal	2190188
CIE _{Lab}	41.00, -21.69, -7.19
CIE _{LCh}	41, 22.845, 198.333
Yxy	11.8645, 0.2350, 0.3262
Android (android.graphics.Color)	4280380268 (0xFF216B6C)
YUV	84.9880, 11.3449, -45.5935
Hunter-Lab	34.4449, -15.9882, -3.3680

Details

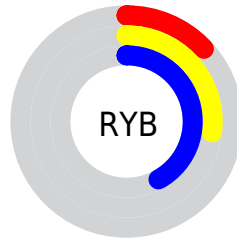
The CIELCh color **41, 22.845, 198.333** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 37.839, 29.760**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 23.050, 197.400**, and **22, 17.339, 200.992** is the 20% darker color. If you saturate the color by 10%, you get **41, 24.359, 198.279**, and if you desaturate by 10%, it is **41, 20.813, 198.462**.

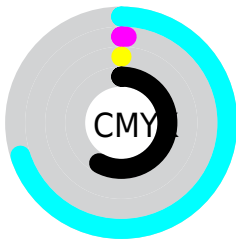
Distribution



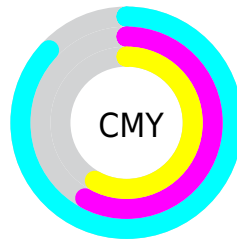
- Red (13%)
- Green (42%)
- Blue (42%)



- Red (13%)
- Yellow (27%)
- Blue (42%)



- Cyan (70%)
- Magenta (1%)
- Yellow (0%)
- Black (58%)





- Cyan (87%)
- Magenta (58%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 22.845, 198.333 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, 22.845, 198.333 by changing the saturation by 10% instead.


 41, 22.845,
198.333


 41, 22.845,
198.333


 100, 22.845,
198.333


 31, 22.845,
198.333

 61, 22.845,
198.333


 21, 22.845,
198.333

 71, 22.845,
198.333

 11, 22.845,
198.333

 81, 22.845,
198.333

 1, 22.845, 198.333

 91, 22.845,
198.333

 0, 22.845, 198.333

 41, 22.845,

 41, 22.845,

198.333

198.333

■ 41, 24.359,
198.279

■ 41, 20.813,
198.462

■ 41, 25.364,
198.305

■ 42, 18.282,
198.667

■ 40, 26.085,
198.372

■ 42, 15.290,
198.942

■ 40, 26.110,
198.375

■ 43, 11.889,
199.282

■ 44, 8.140, 199.684

■ 45, 4.106, 200.161

■ 46, 0.152, 18.237

■ 47, 4.580, 20.977

■ 48, 9.129, 21.544

Harmonies

Complementary

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



41, 22.845, 198.333



25, 37.839, 29.760

Rectangle

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



41, 22.845, 198.333



41, 22.845, 248.333



41, 22.845, 18.333



41, 22.845, 68.333

Sweetspot

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



41, 22.845, 198.332



56, 10.735, 199.602



40, 51.692, 138.574



29, 7.276, 199.517



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 22.845, 198.332



52, 30.303, 198.288



29, 25.741, 269.963



22, 2.382, 200.200



44, 27.727, 198.394



87, 47.661, 198.515

Inverse Universe

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



28, 50.490, 328.059



34, 69.238, 328.501



33, 31.072, 67.074



21, 4.367, 325.238



27, 64.465, 328.747



58, 110.865, 328.778

Previews

White Background



This preview shows how the CIELCh color 41, 22.845, 198.333 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, 22.845, 198.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

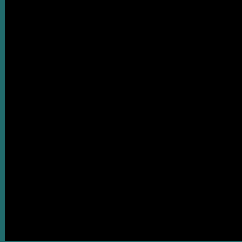
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 22.845, 198.333

Background



This preview shows how black text looks on a background with the CIELCh color 41, 22.845, 198.333.



This preview shows how white text looks on a background with the CIELCh color 41, 22.845, 198.333.

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, 22.845, 198.333

Protanopia

41, 3.073, 298.310

Deuteranopia

41, 10.562, 302.478



Tritanopia
41, 21.469, 210.301

Trichromacy



Original Color
41, 22.845, 198.333

Protanomaly
40, 10.044, 208.784

Deuteranomaly
40, 10.934, 236.523

Tritanomaly
41, 21.862, 206.686

Monochromacy



Original Color
41, 22.845, 198.333

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.495, 198.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 22.845, 198.333 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(33, 107, 108)` looks like.

```
.text, #text, p{  
    color:rgb(33, 107, 108)  
}
```

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(33, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 107, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 22.845, 198.333 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(33, 107, 108) }
```

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

```
.border{ border-color:rgb(33, 107, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 107, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(33, 107,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 22.845, 198.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 107, 108) }
```

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

```
.background{ background-color: rgb(33, 107,  
108) }
```

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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