

Converting Colors

CIELCh(43, 22.130, 217.761)

Have a look what the booklet for
CIELCh(43, 22.130, 217.761)
contains.

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Color

CIELCh(43, 22.138, 216.455)

Conversions

Conversions Part 1

Format	Color
Hex	286F7B
RGB	40, 111, 123
RGB Percent	16%, 44%, 48%
CMY	0.8448, 0.5660, 0.5190
CMYK	0.68, 0.10, 0.00, 0.52
HSL	189°, 51%, 32%
HSV	189°, 68%, 48%
XYZ	10.0588, 13.1578, 20.6341
YIQ	91.1390, -46.1680, -11.3200

Conversions

Conversions Part 2

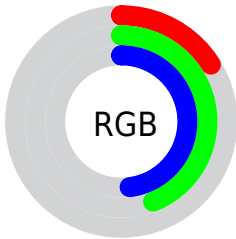
Format	Color
RYB	40, 78, 123
Decimal	2649979
CIELab	43.00, -17.81, -13.15
CIELCh	43, 22.138, 216.455
Yxy	13.1578, 0.2294, 0.3001
Android (android.graphics.Color)	4280840059 (0xFF286F7B)
YUV	91.1390, 15.7075, -44.8489
Hunter-Lab	36.2736, -13.9803, -8.3352




Details

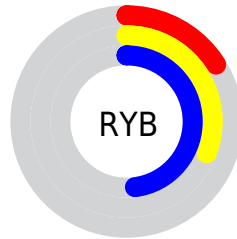
The CIELCh color **43, 22.138, 216.455** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 37.664, 37.028**, and the grayscale version is **39, 0.005, 296.813**.




A 20% lighter version of the original color is **63, 22.166, 215.492**, and **24, 17.907, 221.329** is the 20% darker color. If you saturate the color by 10%, you get **42, 23.668, 217.889**, and if you desaturate by 10%, it is **44, 20.076, 215.359**.

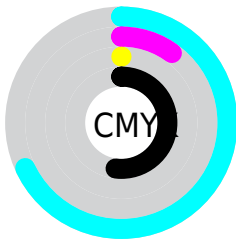
Distribution







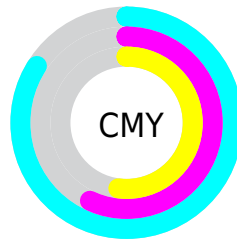
-  Red (16%)
-  Green (44%)
-  Blue (48%)






-  Red (16%)
-  Yellow (31%)
-  Blue (48%)



-  Cyan (68%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (84%)
-  Magenta (57%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 22.138, 216.455 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 43, 22.138, 216.455 by changing the saturation by 10% instead.

 43, 22.138,
216.455


 43, 22.138,
216.455


 100, 22.138,
216.455

 33, 22.138,
216.455

 63, 22.138,
216.455


 23, 22.138,
216.455

 73, 22.138,
216.455

 13, 22.138,
216.455

 83, 22.138,
216.455

 3, 22.138, 216.455

 93, 22.138,
216.455

 0, 22.138, 216.455

 43, 22.138,

 43, 22.138,

216.455

■ 42, 23.668,
217.889

■ 41, 24.673,
219.720

■ 41, 25.283,
221.895

■ 40, 25.420,
222.384

216.455

■ 44, 20.076,
215.359

■ 45, 17.510,
214.552

■ 46, 14.486,
213.983

■ 48, 11.063,
213.610

■ 49, 7.304, 213.402

■ 50, 3.271, 213.365

■ 52, 0.979, 32.848

■ 53, 5.396, 33.243

■ 55, 9.938, 33.406

Harmonies

Complementary

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



43, 22.138, 216.455



31, 37.664, 37.028

Rectangle

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



43, 22.138, 216.455



43, 22.138, 266.455



43, 22.138, 36.455



43, 22.138, 86.455

Sweetspot

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



43, 22.138, 216.454



62, 10.189, 213.444



45, 51.672, 142.031



32, 6.955, 213.489



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



43, 22.138, 216.454



54, 29.523, 218.804



30, 34.092, 282.098



25, 2.371, 213.356



41, 25.759, 222.440



80, 43.279, 224.049

Inverse Universe

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



31, 50.195, 332.669



39, 69.007, 333.601



41, 34.871, 79.444



24, 4.463, 329.147



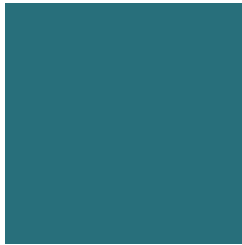
28, 61.077, 334.702



58, 102.221, 335.108

Previews

White Background



This preview shows how the CIELCh color 43, 22.138, 216.455 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 43, 22.138, 216.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

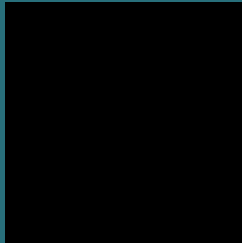
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 22.138, 216.455

Background



This preview shows how black text looks on a background with the CIELCh color 43, 22.138, 216.455.

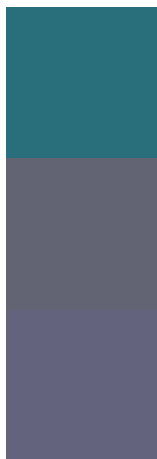


This preview shows how white text looks on a background with the CIELCh color 43, 22.138, 216.455.

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

43, 22.138, 216.455

Protanopia

43, 9.661, 286.987

Deuteranopia

43, 15.679, 292.427



Tritanopia
43, 22.377, 211.252

Trichromacy



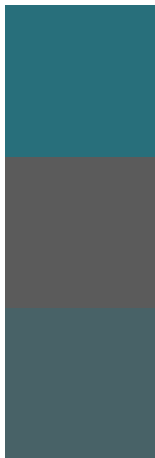
Original Color
43, 22.138, 216.455

Protanomaly
42, 12.641, 240.752

Deuteranomaly
42, 15.289, 255.231

Tritanomaly
43, 22.223, 213.020

Monochromacy



Original Color
43, 22.138, 216.455

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 10.221, 215.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 22.138, 216.455 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(40, 111, 123)` looks like.

```
.text, #text, p{  
    color:rgb(40, 111, 123)  
}
```

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(40, 111, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 111, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 22.138, 216.455 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(40, 111, 123) }
```

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

```
.border{ border-color:rgb(40, 111, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 111, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 111, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 111, 123);  
box-shadow:4px 4px 4px 4px rgb(40, 111,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 22.138, 216.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 111, 123) }
```

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

```
.background{ background-color: rgb(40, 111,  
123) }
```

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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