

Converting Colors

CIELCh(30, 43.886, 209.376)

Have a look what the booklet for
CIELCh(30, 43.886, 209.376)
contains.

CIELCh(33, 22.376, 226.023)	3
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Color

CIELCh(33, 22.376, 226.023)

Conversions

Conversions Part 1

Format	Color
Hex	005566
RGB	0, 85, 102
RGB Percent	0%, 33%, 40%
CMY	1.0000, 0.6647, 0.5981
CMYK	1.00, 0.17, 0.00, 0.60
HSL	190°, 100%, 20%
HSV	190°, 100%, 40%
XYZ	5.6964, 7.5373, 13.8506
YIQ	61.5230, -56.1170, -12.7330

Conversions

Conversions Part 2

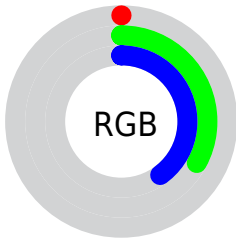
Format	Color
RYB	0, 46, 102
Decimal	21862
CIELab	33.00, -15.54, -16.10
CIELCh	33, 22.376, 226.023
Yxy	7.5373, 0.2103, 0.2783
Android (android.graphics.Color)	4278211942 (0xFF005566)
YUV	61.5230, 19.9552, -53.9557
Hunter-Lab	27.4541, -11.0082, -10.6940

Details

The CIELCh color **33, 22.376, 226.023** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 48.269, 40.898**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 22.254, 225.900**, and **14, 15.157, 242.852** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.296, 226.144**, and if you desaturate by 10%, it is **34, 21.600, 223.820**.

Distribution



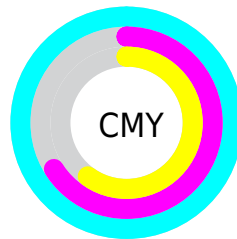
- Red (0%)
- Green (33%)
- Blue (40%)



- Red (0%)
- Yellow (18%)
- Blue (40%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (60%)





- Cyan (100%)
- Magenta (66%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 22.376, 226.023 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 33, 22.376, 226.023 by changing the saturation by 10% instead.


 33, 22.376,
226.023


 33, 22.376,
226.023

 100, 22.376,
226.023


 23, 22.376,
226.023

 53, 22.376,
226.023


 13, 22.376,
226.023


 63, 22.376,
226.023

 3, 22.376, 226.023

 73, 22.376,
226.023

 0, 22.376, 226.023

 83, 22.376,
226.023

 93, 22.376,
226.023

■ 33, 22.376,
226.023

■ 33, 22.376,
226.023

■ 33, 22.296,
226.144

■ 34, 21.600,
223.820

■ 34, 20.723,
221.667

■ 35, 19.420,
219.953

■ 36, 17.683,
218.618

■ 37, 15.528,
217.602

■ 38, 12.992,
216.852

■ 40, 10.122,
216.320

■ 41, 6.967, 215.970

Harmonies

Complementary

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



33, 22.376, 226.023



21, 48.269, 40.898

Rectangle

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



33, 22.376, 226.023



33, 22.376, 276.023



33, 22.376, 46.023



33, 22.376, 96.023

Sweetspot

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



33, 22.296, 226.144



51, 12.471, 216.357



37, 57.803, 138.471



25, 8.350, 216.498



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



33, 22.296, 226.144



43, 26.793, 227.102



17, 45.956, 293.453



20, 2.006, 215.783



37, 24.152, 226.588



75, 41.888, 228.692

Inverse Universe

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



22, 52.344, 335.642



30, 62.703, 335.889



31, 42.252, 75.838



20, 3.771, 329.834



25, 56.620, 335.756



55, 97.469, 336.302

Previews

White Background



This preview shows how the CIELCh color 33, 22.376, 226.023 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 33, 22.376, 226.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

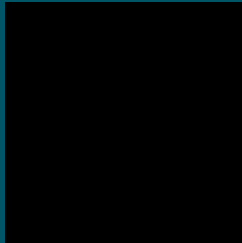
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 22.376, 226.023

Background



This preview shows how black text looks on a background with the CIELCh color 33, 22.376, 226.023.



This preview shows how white text looks on a background with the CIELCh color 33, 22.376, 226.023.

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

33, 22.221, 226.315

Protanopia

33, 12.038, 284.828

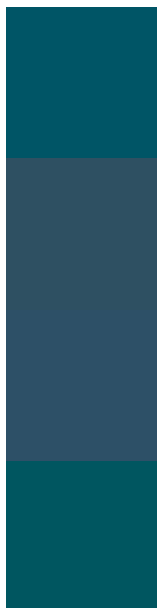
Deuteranopia

33, 17.080, 285.627



Tritanopia
33, 22.166, 206.551

Trichromacy



Original Color
33, 22.221, 226.315

Protanomaly
32, 15.811, 244.790

Deuteranomaly
32, 18.015, 252.830

Tritanomaly
33, 21.865, 213.749

Monochromacy



Original Color
33, 22.221, 226.315

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.299, 216.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 22.376, 226.023 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(0, 85, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 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(0, 85, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 22.376, 226.023 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(0, 85, 102) }
```

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

```
.border{ border-color:rgb(0, 85, 102) }
```

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

Here you see how a box with a 4 pixel rgb(0, 85, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 22.376, 226.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 102) }
```

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

```
.background{ background-color: rgb(0, 85,  
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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