

Converting Colors

CIELCh(33, 22.226, 225.754)

Have a look what the booklet for
CIELCh(33, 22.226, 225.754)
contains.

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Color

CIELCh(33, 22.221, 226.315)

Conversions

Conversions Part 1

Format	Color
Hex	015566
RGB	1, 85, 102
RGB Percent	0%, 33%, 40%
CMY	0.9964, 0.6650, 0.5983
CMYK	0.99, 0.17, 0.00, 0.60
HSL	190°, 98%, 20%
HSV	190°, 99%, 40%
XYZ	5.7129, 7.5373, 13.8369
YIQ	61.8220, -55.5210, -12.5210

Conversions

Conversions Part 2

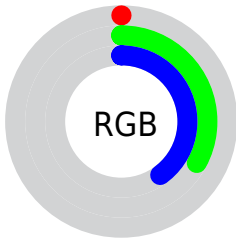
Format	Color
R_{YB}	1, 47, 102
Decimal	87398
CIE _{Lab}	33.00, -15.35, -16.07
CIE _{LCh}	33, 22.221, 226.315
Yxy	7.5373, 0.2109, 0.2783
Android (android.graphics.Color)	4278277478 (0xFF015566)
YUV	61.8220, 19.8078, -53.3409
Hunter-Lab	27.4541, -10.9005, -10.6645

Details

The CIELCh color **33, 22.221, 226.315** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 47.866, 40.907**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 22.050, 226.200**, and **14, 15.157, 242.852** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.286, 226.519**, and if you desaturate by 10%, it is **34, 21.521, 223.951**.

Distribution



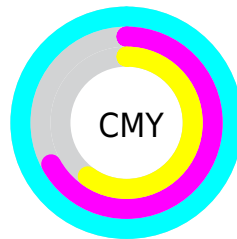
- Red (0%)
- Green (33%)
- Blue (40%)



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



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (60%)





- Cyan (100%)
- Magenta (67%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 22.221, 226.315 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, 22.221, 226.315 by changing the saturation by 10% instead.


 33, 22.221,
226.315


 33, 22.221,
226.315

 100, 22.221,
226.315


 23, 22.221,
226.315

 53, 22.221,
226.315


 13, 22.221,
226.315


 63, 22.221,
226.315

 3, 22.221, 226.315

 73, 22.221,
226.315

 0, 22.221, 226.315

 83, 22.221,
226.315

 93, 22.221,
226.315

■ 33, 22.221,
226.315

■ 33, 22.221,
226.315

■ 33, 22.286,
226.519

■ 34, 21.521,
223.951

■ 35, 20.604,
221.813

■ 35, 19.260,
220.111

■ 36, 17.484,
218.788

■ 37, 15.295,
217.782

■ 38, 12.729,
217.039

■ 40, 9.835, 216.513

■ 41, 6.661, 216.167

Harmonies

Complementary

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



33, 22.221, 226.315



21, 47.866, 40.907

Rectangle

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



33, 22.221, 226.315



33, 22.221, 276.315



33, 22.221, 46.315



33, 22.221, 96.315

Sweetspot

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



33, 22.220, 226.315



51, 12.457, 216.591



37, 57.038, 138.895



25, 8.341, 216.735



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, 22.220, 226.315



43, 26.792, 227.491



16, 46.733, 294.221



20, 2.004, 215.995



37, 24.150, 226.971



75, 41.895, 229.100

Inverse Universe

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



22, 52.074, 335.677



30, 62.617, 335.990



32, 41.966, 77.451



20, 3.766, 329.896



25, 56.544, 335.855



55, 97.331, 336.409

Previews

White Background



This preview shows how the CIELCh color 33, 22.221, 226.315 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, 22.221, 226.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

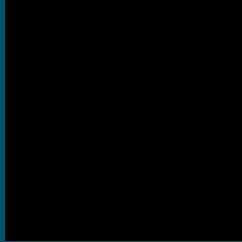
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 22.221, 226.315

Background



This preview shows how black text looks on a background with the CIELCh color 33, 22.221, 226.315.



This preview shows how white text looks on a background with the CIELCh color 33, 22.221, 226.315.

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, 22.147, 226.430

Protanopia

33, 12.038, 284.828

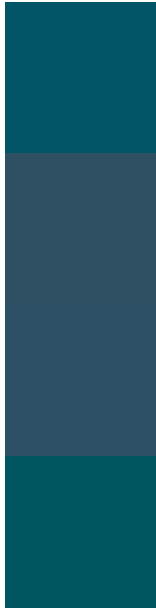
Deuteranopia

33, 17.120, 284.436



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 22.147, 226.430

Protanomaly
32, 15.622, 245.540

Deuteranomaly
32, 18.015, 252.830

Tritanomaly
33, 21.865, 213.749

Monochromacy



Original Color
33, 22.147, 226.430

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.016, 216.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 22.221, 226.315 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(1, 85, 102)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 85, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 85, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 22.221, 226.315 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(1, 85, 102) }
```

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

```
.border{ border-color:rgb(1, 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(1, 85, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 85, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 85, 102);  
box-shadow:4px 4px 4px 4px rgb(1, 85, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 22.221, 226.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 85, 102) }
```

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

```
.background{ background-color: rgb(1, 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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