

Converting Colors

CIELCh(33, 16.434, 228.793)

Have a look what the booklet for
CIELCh(33, 16.434, 228.793)
contains.

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Color

CIELCh(33, 16.604, 230.198)

Conversions

Conversions Part 1

Format	Color
Hex	275361
RGB	39, 83, 97
RGB Percent	15%, 33%, 38%
CMY	0.8458, 0.6734, 0.6184
CMYK	0.60, 0.14, 0.00, 0.62
HSL	194°, 42%, 27%
HSV	194°, 60%, 38%
XYZ	6.1359, 7.5373, 12.5139
YIQ	71.4400, -30.7180, -4.9740

Conversions

Conversions Part 2

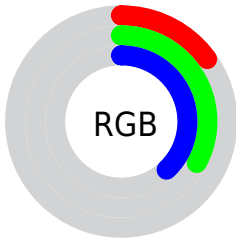
Format	Color
R_YB	39, 64, 97
Decimal	2577249
CIE _{Lab}	33.00, -10.63, -12.76
CIE _{LCh}	33, 16.604, 230.198
Yxy	7.5373, 0.2343, 0.2878
Android (android.graphics.Color)	4280767329 (0xFF275361)
YUV	71.4400, 12.6011, -28.4499
Hunter-Lab	27.4541, -8.1505, -7.8071

Details

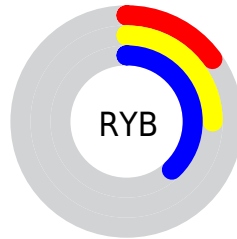
The CIELCh color **33, 16.604, 230.198** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 25.069, 43.695**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 16.657, 229.836**, and **13, 14.234, 238.845** is the 20% darker color. If you saturate the color by 10%, you get **32, 18.411, 232.278**, and if you desaturate by 10%, it is **34, 14.460, 228.543**.

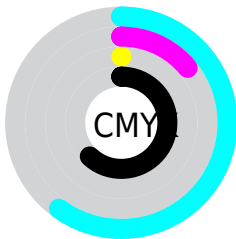
Distribution



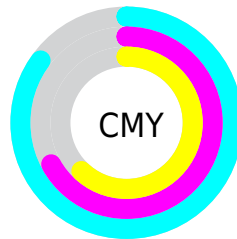
- Red (15%)
- Green (33%)
- Blue (38%)



- Red (15%)
- Yellow (25%)
- Blue (38%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (62%)





- Cyan (85%)
- Magenta (67%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 16.604, 230.198 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, 16.604, 230.198 by changing the saturation by 10% instead.


 33, 16.604,
230.198


 33, 16.604,
230.198

 100, 16.604,
230.198


 23, 16.604,
230.198

 53, 16.604,
230.198


 13, 16.604,
230.198


 63, 16.604,
230.198

 3, 16.604, 230.198

 73, 16.604,
230.198

 0, 16.604, 230.198

 83, 16.604,
230.198

 93, 16.604,
230.198

■ 33, 16.604,
230.198

■ 33, 16.604,
230.198

■ 32, 18.411,
232.278

■ 34, 14.460,
228.543

■ 31, 19.874,
234.863

■ 36, 12.007,
227.244

■ 30, 21.010,
238.014

■ 37, 9.280, 226.238

■ 29, 22.043,
241.313

■ 38, 6.321, 225.472

■ 40, 3.169, 224.927

■ 29, 22.088,
241.441

■ 41, 0.137, 42.082

■ 43, 3.564, 43.963

■ 44, 7.085, 43.771

■ 46, 10.673, 43.622

Harmonies

Complementary

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



33, 16.604, 230.198



28, 25.069, 43.695

Rectangle

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



33, 16.604, 230.198



33, 16.604, 280.198



33, 16.604, 50.198



33, 16.604, 100.198

Sweetspot

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



33, 16.604, 230.197



50, 7.274, 225.406



37, 35.738, 146.429



25, 4.983, 225.542



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 16.604, 230.197



41, 23.180, 233.407



24, 28.335, 286.310



19, 1.850, 224.898



33, 24.505, 242.265



69, 43.448, 245.322

Inverse Universe

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



26, 35.382, 336.037



31, 50.581, 337.260



35, 27.024, 88.992



18, 3.422, 332.522



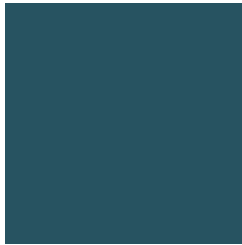
24, 52.808, 340.107



54, 91.368, 341.062

Previews

White Background



This preview shows how the CIELCh color 33, 16.604, 230.198 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 CIE LCh color 33, 16.604, 230.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

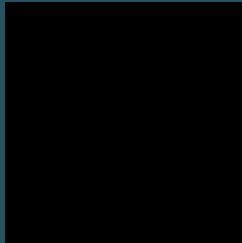
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 16.604, 230.198

Background



This preview shows how black text looks on a background with the CIELCh color 33, 16.604, 230.198.



This preview shows how white text looks on a background with the CIELCh color 33, 16.604, 230.198.

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, 16.604, 230.198

Protanopia

33, 10.131, 285.190

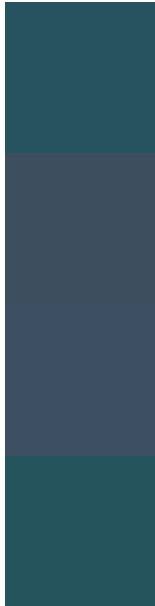
Deuteranopia

33, 14.516, 289.650



Tritanopia
33, 16.333, 213.216

Trichromacy



Original Color
33, 16.604, 230.198

Protanomaly
33, 11.899, 257.435

Deuteranomaly
33, 13.436, 262.707

Tritanomaly
33, 16.246, 218.127

Monochromacy



Original Color
33, 16.604, 230.198

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.084, 225.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 16.604, 230.198 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(39, 83, 97)` looks like.

```
.text, #text, p{  
    color:rgb(39, 83, 97)  
}
```

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(39, 83, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 83, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 16.604, 230.198 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(39, 83, 97) }
```

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

```
.border{ border-color:rgb(39, 83, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 83, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 83, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 83, 97);  
box-shadow:4px 4px 4px 4px rgb(39, 83, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 16.604, 230.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 83, 97) }
```

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

```
.background{ background-color: rgb(39, 83,  
97) }
```

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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