

Converting Colors

CIELCh(33, 16.276, 268.223)

Have a look what the booklet for
CIELCh(33, 16.276, 268.223)
contains.

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Color

CIELCh(33, 16.276, 268.223)

Conversions

Conversions Part 1

Format	Color
Hex	3C4F67
RGB	60, 79, 103
RGB Percent	24%, 31%, 40%
CMY	0.7646, 0.6901, 0.5960
CMYK	0.42, 0.23, 0.00, 0.60
HSL	213°, 26%, 32%
HSV	213°, 42%, 40%
XYZ	7.1127, 7.5373, 13.9193
YIQ	76.0550, -19.0280, 3.4360

Conversions

Conversions Part 2

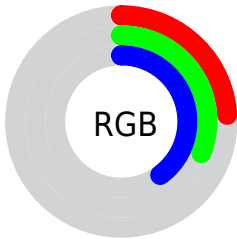
Format	Color
RYB	60, 73, 103
Decimal	3952487
CIELab	33.00, -0.50, -16.27
CIELCh	33, 16.276, 268.223
Yxy	7.5373, 0.2490, 0.2638
Android (android.graphics.Color)	4282142567 (0xFF3C4F67)
YUV	76.0550, 13.2839, -14.0802
Hunter-Lab	27.4541, -1.7995, -10.8423

Details

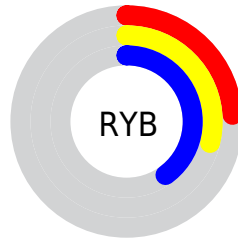
The CIELCh color **33, 16.276, 268.223** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **37, 17.478, 76.309**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 16.220, 267.843**, and **13, 16.276, 267.845** is the 20% darker color. If you saturate the color by 10%, you get **31, 20.149, 270.597**, and if you desaturate by 10%, it is **36, 12.390, 266.187**.

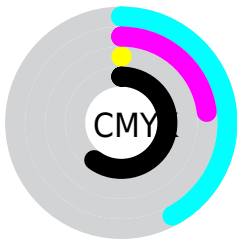
Distribution



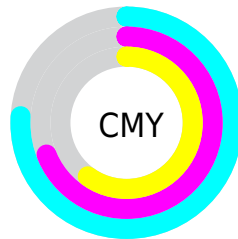
- Red (24%)
- Green (31%)
- Blue (40%)



- Red (24%)
- Yellow (29%)
- Blue (40%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (60%)





- Cyan (76%)
- Magenta (69%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 16.276, 268.223 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, 16.276, 268.223 by changing the saturation by 10% instead.


 33, 16.276,
268.223


 33, 16.276,
268.223

 100, 16.276,
268.223


 23, 16.276,
268.223

 53, 16.276,
268.223


 13, 16.276,
268.223


 63, 16.276,
268.223

 3, 16.276, 268.223

 73, 16.276,
268.223

 0, 16.276, 268.223

 83, 16.276,
268.223

 93, 16.276,
268.223

■ 33, 16.276,
268.223

■ 33, 16.276,
268.223

■ 31, 20.149,
270.597

■ 36, 12.390,
266.187

■ 28, 24.018,
273.350

■ 38, 8.492, 264.449

■ 41, 4.587, 262.974

■ 26, 27.901,
276.497

■ 43, 0.682, 261.936

■ 23, 31.829,
280.021

■ 46, 3.215, 80.471

■ 21, 35.839,
283.837

■ 48, 7.096, 79.539

■ 51, 10.954, 78.703

■ 20, 39.275,
286.749

■ 53, 14.784, 77.964

■ 56, 18.581, 77.306

Harmonies

Complementary

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



33, 16.276, 268.223



37, 17.478, 76.309

Rectangle

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



33, 16.276, 268.223



33, 16.276, 318.223



33, 16.276, 88.223



33, 16.276, 138.223

Sweetspot

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



33, 16.275, 268.222



52, 6.349, 263.199



40, 20.833, 162.491



26, 4.477, 263.443



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



33, 16.275, 268.222



41, 24.336, 270.529



27, 27.966, 296.879



20, 2.177, 262.605



22, 42.935, 287.328



48, 79.228, 290.019

Inverse Universe

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



31, 22.041, 351.073



38, 32.829, 352.449



42, 25.299, 108.685



19, 2.867, 347.583



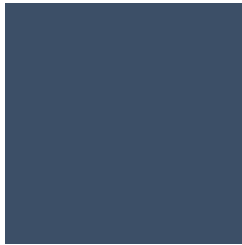
23, 46.839, 5.368



52, 81.259, 8.525

Previews

White Background



This preview shows how the CIE LCh color 33, 16.276, 268.223 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, 16.276, 268.223 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

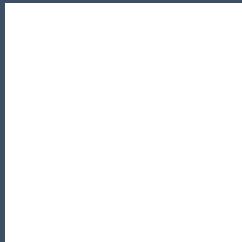
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 16.276, 268.223

Background



This preview shows how black text looks on a background with the CIELCh color 33, 16.276, 268.223.

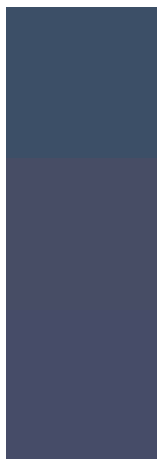


This preview shows how white text looks on a background with the CIELCh color 33, 16.276, 268.223.

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, 16.276, 268.223

Protanopia

33, 15.223, 284.265

Deuteranopia

33, 17.736, 286.076



Tritanopia
33, 10.475, 219.460

Trichromacy



Original Color
33, 16.276, 268.223

Protanomaly
33, 15.502, 277.624

Deuteranomaly
33, 17.340, 279.832

Tritanomaly
33, 11.453, 240.100

Monochromacy



Original Color
33, 16.276, 268.223

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 6.290, 264.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 16.276, 268.223 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(60, 79, 103)` looks like.

```
.text, #text, p{  
    color:rgb(60, 79, 103)  
}
```

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(60, 79, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 79, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 16.276, 268.223 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(60, 79, 103) }
```

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

```
.border{ border-color:rgb(60, 79, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 79, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 79, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 79, 103);  
box-shadow:4px 4px 4px 4px rgb(60, 79,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 16.276, 268.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 79, 103) }
```

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

```
.background{ background-color: rgb(60, 79,  
103) }
```

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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