

Converting Colors

CIELCh(33, 6.833, 264.490)

Have a look what the booklet for
CIELCh(33, 6.833, 264.490) contains.

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Color

CIELCh(33, 6.838, 266.897)

Conversions

Conversions Part 1

Format	Color
Hex	474E58
RGB	71, 78, 88
RGB Percent	28%, 31%, 35%
CMY	0.7207, 0.6932, 0.6540
CMYK	0.19, 0.11, 0.00, 0.65
HSL	215°, 11%, 31%
HSV	215°, 19%, 35%
XYZ	7.1264, 7.5373, 10.3618
YIQ	77.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

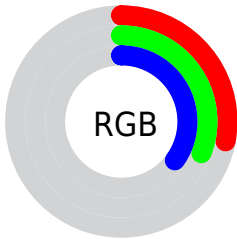
Format	Color
R_{YB}	71, 76, 88
Decimal	4673112
CIE Lab	33.00, -0.37, -6.83
CIE LCh	33, 6.838, 266.897
Yxy	7.5373, 0.2848, 0.3012
Android (android.graphics.Color)	4282863192 (0xFF474E58)
YUV	77.0470, 5.3998, -5.3032
Hunter-Lab	27.4541, -1.7108, -3.1595

Details

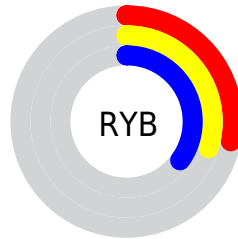
The CIELCh color **33, 6.838, 266.897** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 6.988, 82.038**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 6.839, 268.178**, and **13, 7.035, 266.642** is the 20% darker color. If you saturate the color by 10%, you get **31, 10.403, 268.511**, and if you desaturate by 10%, it is **35, 3.284, 265.513**.

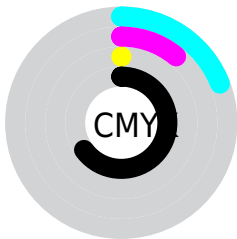
Distribution



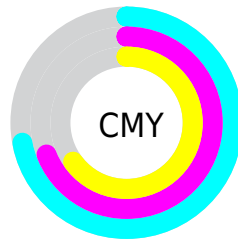
- Red (28%)
- Green (31%)
- Blue (35%)



- Red (28%)
- Yellow (30%)
- Blue (35%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (65%)



- Cyan (72%)
- Magenta (69%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 6.838, 266.897 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, 6.838, 266.897 by changing the saturation by 10% instead.

■ 33, 6.838, 266.897

■ 33, 6.838, 266.897

■ 100, 6.838,
266.897

■ 23, 6.838, 266.897

■ 53, 6.838, 266.897

■ 13, 6.838, 266.897

■ 63, 6.838, 266.897

■ 3, 6.838, 266.897

■ 73, 6.838, 266.897

■ 0, 6.838, 266.897

■ 83, 6.838, 266.897

■ 93, 6.838, 266.897

■ 33, 6.838, 266.897

■ 33, 6.838, 266.897

■ 31, 10.403,
268.511

■ 35, 3.284, 265.513

■ 28, 13.979,
270.397

■ 38, 0.251, 83.588

■ 26, 17.567,
272.587

■ 40, 3.765, 83.145

■ 42, 7.252, 82.240

■ 24, 21.172,
275.116

■ 45, 10.707, 81.432

■ 22, 24.810,
278.004

■ 47, 14.129, 80.714

■ 49, 17.513, 80.072

■ 20, 28.500,
281.245

■ 52, 20.858, 79.497

■ 18, 32.269,
284.784

■ 54, 24.162, 78.978

■ 16, 36.177,
288.054

■ 15, 36.467,
288.268

Harmonies

Complementary

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



33, 6.838, 266.897



35, 6.988, 82.038

Rectangle

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



33, 6.838, 266.897



33, 6.838, 316.897



33, 6.838, 86.897



33, 6.838, 136.897

Sweetspot

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



33, 6.837, 266.891



47, 2.638, 265.145



36, 8.432, 166.800



24, 1.764, 265.185



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 6.837, 266.891



42, 10.141, 267.586



31, 10.879, 295.137



16, 1.953, 265.449



20, 42.847, 289.380



45, 81.634, 292.218

Inverse Universe

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



32, 8.684, 350.346



41, 12.935, 350.797



37, 10.449, 111.970



16, 2.451, 349.354



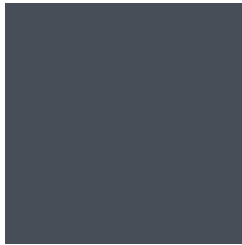
21, 44.597, 7.742



50, 79.586, 11.397

Previews

White Background



This preview shows how the CIE LCh color 33, 6.838, 266.897 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, 6.838, 266.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

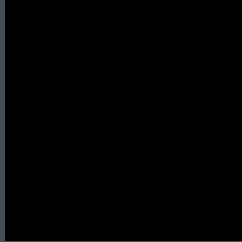
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

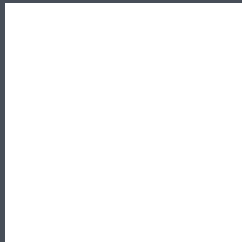
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 6.838, 266.897

Background



This preview shows how black text looks on a background with the CIELCh color 33, 6.838, 266.897.



This preview shows how white text looks on a background with the CIELCh color 33, 6.838, 266.897.

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

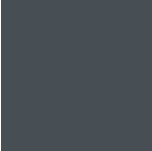
33, 6.838, 266.897

Protanopia

33, 6.314, 287.547

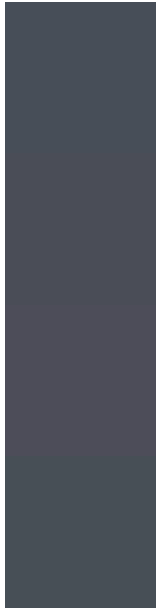
Deuteranopia

33, 8.395, 302.897



Tritanopia
33, 4.938, 249.240

Trichromacy



Original Color

33, 6.838, 266.897

Protanomaly

33, 6.403, 280.241

Deuteranomaly

33, 7.567, 291.493

Tritanomaly

33, 5.413, 253.894

Monochromacy



Original Color

33, 6.838, 266.897

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 2.650, 272.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 6.838, 266.897 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(71, 78, 88)` looks like.

```
.text, #text, p{  
    color:rgb(71, 78, 88)  
}
```

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(71, 78, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 78, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 6.838, 266.897 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(71, 78, 88) }
```

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

```
.border{ border-color:rgb(71, 78, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 78, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 78, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 78, 88);  
box-shadow:4px 4px 4px 4px rgb(71, 78, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 6.838, 266.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 78, 88) }
```

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

```
.background{ background-color: rgb(71, 78,  
88) }
```

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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