

Converting Colors

CIELCh(33, 18.972, 288.341)

Have a look what the booklet for
CIELCh(33, 18.972, 288.341)
contains.

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Color

CIELCh(33, 18.949, 287.887)

Conversions

Conversions Part 1

Format	Color
Hex	474C6A
RGB	71, 76, 106
RGB Percent	28%, 30%, 42%
CMY	0.7218, 0.7022, 0.5846
CMYK	0.33, 0.28, 0.00, 0.58
HSL	231°, 20%, 35%
HSV	231°, 33%, 42%
XYZ	7.7727, 7.5373, 14.6637
YIQ	77.9250, -12.6100, 8.2700

Conversions

Conversions Part 2

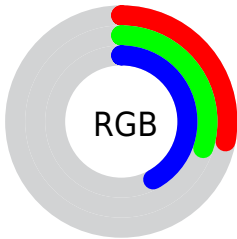
Format	Color
R _Y B	71, 75, 106
Decimal	4672618
CIE Lab	33.00, 5.82, -18.03
CIE LCh	33, 18.949, 287.887
Yxy	7.5373, 0.2593, 0.2515
Android (android.graphics.Color)	4282862698 (0xFF474C6A)
YUV	77.9250, 13.8410, -6.0732
Hunter-Lab	27.4541, 2.4913, -12.4499

Details

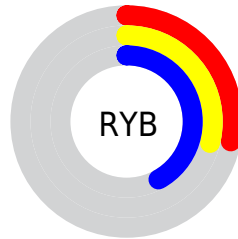
The CIELCh color **33, 18.949, 287.887** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42, 18.018, 100.180**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 18.566, 286.973**, and **13, 19.426, 288.371** is the 20% darker color. If you saturate the color by 10%, you get **29, 25.110, 289.639**, and if you desaturate by 10%, it is **37, 12.998, 286.374**.

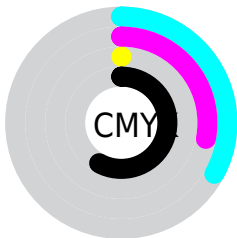
Distribution



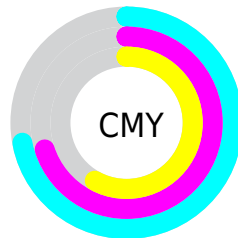
- Red (28%)
- Green (30%)
- Blue (42%)



- Red (28%)
- Yellow (29%)
- Blue (42%)



- Cyan (33%)
- Magenta (28%)
- Yellow (0%)
- Black (58%)



- Cyan (72%)
- Magenta (70%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 18.949, 287.887 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, 18.949, 287.887 by changing the saturation by 10% instead.

■ 33, 18.949,
287.887

■ 33, 18.949,
287.887

■ 100, 18.949,
287.887

■ 23, 18.949,
287.887

■ 53, 18.949,
287.887

■ 13, 18.949,
287.887

■ 63, 18.949,
287.887

■ 3, 18.949, 287.887

■ 73, 18.949,
287.887

■ 0, 18.949, 287.887

■ 83, 18.949,
287.887

■ 93, 18.949,
287.887

■ 33, 18.949,
287.887

■ 33, 18.949,
287.887

■ 29, 25.110,
289.639

■ 37, 12.998,
286.374

■ 26, 31.495,
291.652

■ 40, 7.241, 285.074

■ 44, 1.665, 283.985

■ 22, 38.103,
293.923

■ 47, 3.744, 102.943

■ 19, 44.886,
296.411

■ 51, 8.997, 102.111

■ 16, 51.688,
299.007

■ 54, 14.101,
101.377

■ 13, 58.166,
301.504

■ 58, 19.065,
100.732

■ 12, 62.269,
302.892

■ 61, 23.897,
100.163

■ 65, 28.601, 99.658

Harmonies

Complementary

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



33, 18.949, 287.887



42, 18.018, 100.180

Rectangle

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



33, 18.949, 287.887



33, 18.949, 337.887



33, 18.949, 107.887



33, 18.949, 157.887

Sweetspot

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



33, 18.948, 287.887



53, 6.861, 284.750



42, 13.846, 184.442



26, 4.653, 284.867



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, 18.948, 287.887



40, 28.847, 289.282



33, 22.696, 305.602



20, 3.131, 284.602



14, 67.572, 303.170



34, 121.297, 304.402

Inverse Universe

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



34, 16.086, 11.096



42, 24.584, 12.314



43, 21.409, 121.989



21, 2.590, 8.365



23, 53.161, 31.129



51, 94.498, 34.313

Previews

White Background



This preview shows how the CIE LCh color 33, 18.949, 287.887 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, 18.949, 287.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

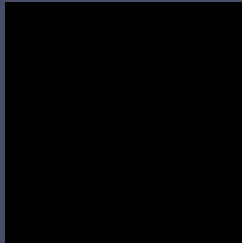
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 18.949, 287.887

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.949, 287.887.

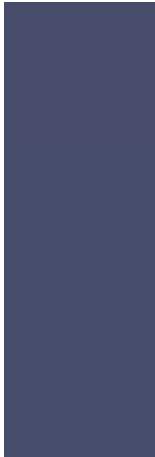


This preview shows how white text looks on a background with the CIELCh color 33, 18.949, 287.887.

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

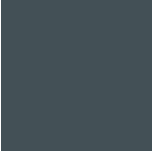
33, 18.949, 287.887

Protanopia

33, 18.395, 284.229

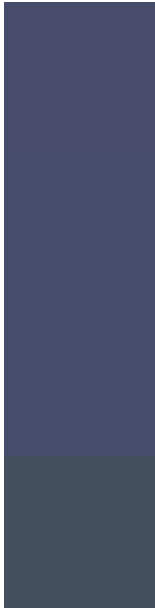
Deuteranopia

33, 18.395, 284.229



Tritanopia
33, 6.359, 235.450

Trichromacy



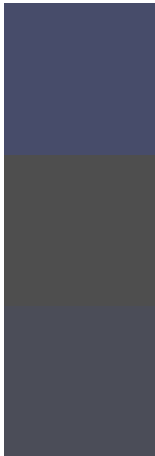
Original Color
33, 18.949, 287.887

Protanomaly
33, 18.354, 285.314

Deuteranomaly
33, 18.354, 285.314

Tritanomaly
33, 9.668, 265.432

Monochromacy



Original Color
33, 18.949, 287.887

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 6.971, 284.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.949, 287.887 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, 76, 106)` looks like.

```
.text, #text, p{  
    color:rgb(71, 76, 106)  
}
```

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, 76, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 76, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.949, 287.887 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, 76, 106) }
```

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

```
.border{ border-color:rgb(71, 76, 106) }
```

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

Here you see how a box with a 4 pixel rgb(71, 76, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 76, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 76, 106);  
box-shadow:4px 4px 4px 4px rgb(71, 76,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.949, 287.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 76, 106) }
```

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

```
.background{ background-color: rgb(71, 76,  
106) }
```

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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