

Converting Colors

CIELCh(33, 25.185, 294.172)

Have a look what the booklet for
CIELCh(33, 25.185, 294.172)
contains.

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Color

CIELCh(33, 25.227, 294.400)

Conversions

Conversions Part 1

Format	Color
Hex	4A4A72
RGB	74, 74, 114
RGB Percent	29%, 29%, 45%
CMY	0.7104, 0.7104, 0.5536
CMYK	0.35, 0.35, 0.00, 0.55
HSL	240°, 21%, 37%
HSV	240°, 35%, 45%
XYZ	8.2776, 7.5373, 16.8876
YIQ	78.5600, -12.8400, 12.4400

Conversions

Conversions Part 2

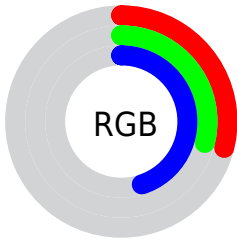
Format	Color
R_{YB}	74, 74, 114
Decimal	4868722
CIE _{Lab}	33.00, 10.42, -22.97
CIE _{LCh}	33, 25.227, 294.400
Yxy	7.5373, 0.2531, 0.2305
Android (android.graphics.Color)	4283058802 (0xFF4A4A72)
YUV	78.5600, 17.4719, -3.9991
Hunter-Lab	27.4541, 5.7743, -17.2528

Details

The CIELCh color **33, 25.227, 294.400** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **47, 23.225, 106.955**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 24.918, 293.979**, and **13, 25.769, 295.005** is the 20% darker color. If you saturate the color by 10%, you get **29, 33.075, 296.069**, and if you desaturate by 10%, it is **37, 17.685, 292.955**.

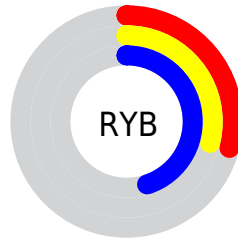
Distribution



Red (29%)

Green (29%)

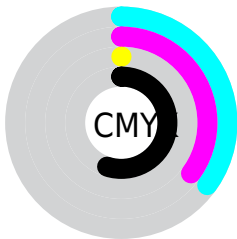
Blue (45%)



Red (29%)

Yellow (29%)

Blue (45%)

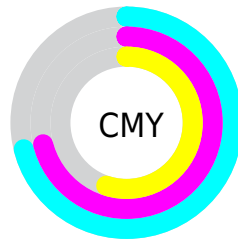


Cyan (35%)

Magenta (35%)

Yellow (0%)

Black (55%)



Cyan (71%)

Magenta (71%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 25.227, 294.400 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, 25.227, 294.400 by changing the saturation by 10% instead.


 33, 25.227,
294.400

 33, 25.227,
294.400

 100, 25.227,
294.400


 23, 25.227,
294.400

 53, 25.227,
294.400

 13, 25.227,
294.400


 63, 25.227,
294.400

 3, 25.227, 294.400

 73, 25.227,
294.400

 0, 25.227, 294.400

 83, 25.227,
294.400

 93, 25.227,
294.400

■ 33, 25.227,
294.400

■ 33, 25.227,
294.400

■ 29, 33.075,
296.069

■ 37, 17.685,
292.955

■ 25, 41.205,
297.957

■ 42, 10.442,
291.717

■ 21, 49.502,
300.016

■ 46, 3.478, 290.666

■ 17, 57.655,
302.118

■ 50, 3.226, 109.735

■ 54, 9.689, 108.969

■ 14, 65.007,
304.032

■ 58, 15.929,
108.304

■ 12, 70.829,
305.532

■ 62, 21.960,
107.730

■ 11, 73.790,
306.284

■ 67, 27.796,
107.232

■ 71, 33.449,
106.799

Harmonies

Complementary

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



33, 25.227, 294.400



47, 23.225, 106.955

Rectangle

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



33, 25.227, 294.400



33, 25.227, 344.400



33, 25.227, 114.400



33, 25.227, 164.400

Sweetspot

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



33, 25.226, 294.400



55, 9.339, 291.291



45, 14.687, 196.206



28, 6.246, 291.398



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 25.226, 294.400



39, 37.988, 295.709



35, 26.113, 310.163



21, 3.791, 291.049



12, 76.556, 306.284



31, 130.756, 306.286

Inverse Universe

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



36, 18.424, 22.325



44, 28.021, 23.443



45, 24.865, 126.912



22, 2.649, 19.845



24, 57.997, 37.783



52, 102.183, 39.995

Previews

White Background



This preview shows how the CIE LCh color 33, 25.227, 294.400 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, 25.227, 294.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

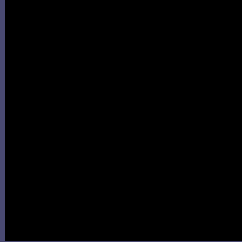
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 25.227, 294.400

Background



This preview shows how black text looks on a background with the CIELCh color 33, 25.227, 294.400.

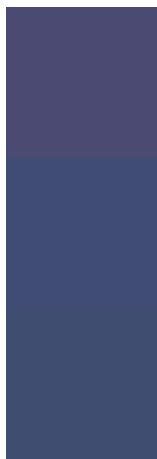


This preview shows how white text looks on a background with the CIELCh color 33, 25.227, 294.400.

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

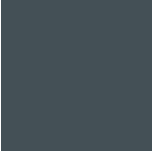
33, 25.227, 294.400

Protanopia

33, 25.352, 285.351

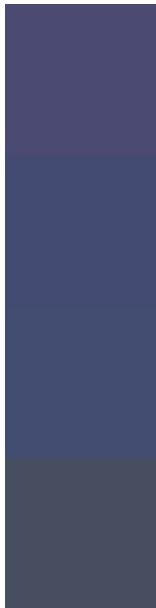
Deuteranopia

33, 22.961, 282.101



Tritanopia
33, 6.055, 237.650

Trichromacy



Original Color
33, 25.227, 294.400

Protanomaly
33, 25.249, 289.010

Deuteranomaly
33, 23.402, 286.516

Tritanomaly
33, 11.655, 276.811

Monochromacy



Original Color
33, 25.227, 294.400

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 9.476, 291.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 25.227, 294.400 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(74, 74, 114)` looks like.

```
.text, #text, p{  
    color:rgb(74, 74, 114)  
}
```

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(74, 74, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 74, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 25.227, 294.400 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(74, 74, 114) }
```

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

```
.border{ border-color:rgb(74, 74, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 74, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 74, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 74, 114);  
box-shadow:4px 4px 4px 4px rgb(74, 74,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 25.227, 294.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 74, 114) }
```

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

```
.background{ background-color: rgb(74, 74,  
114) }
```

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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