

Converting Colors

CIELCh(33, 12.863, 319.069)

Have a look what the booklet for
CIELCh(33, 12.863, 319.069)
contains.

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Color

CIELCh(33, 12.801, 318.933)

Conversions

Conversions Part 1

Format	Color
Hex	57495B
RGB	87, 73, 91
RGB Percent	34%, 29%, 36%
CMY	0.6590, 0.7139, 0.6433
CMYK	0.04, 0.20, 0.00, 0.64
HSL	287°, 11%, 32%
HSV	287°, 20%, 36%
XYZ	8.1916, 7.5373, 10.9096
YIQ	79.2380, 2.5660, 8.5660

Conversions

Conversions Part 2

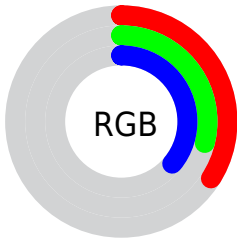
Format	Color
R_{YB}	87, 73, 91
Decimal	5720411
CIE Lab	33.00, 9.65, -8.41
CIE LCh	33, 12.801, 318.933
Yxy	7.5373, 0.3075, 0.2829
Android (android.graphics.Color)	4283910491 (0xFF57495B)
YUV	79.2380, 5.7987, 6.8073
Hunter-Lab	27.4541, 5.2151, -4.3426

Details

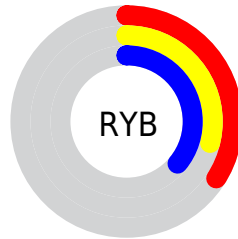
The CIELCh color **33, 12.801, 318.933** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 12.674, 137.273**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 12.488, 319.056**, and **13, 12.760, 318.542** is the 20% darker color. If you saturate the color by 10%, you get **30, 19.368, 319.343**, and if you desaturate by 10%, it is **36, 6.283, 318.515**.

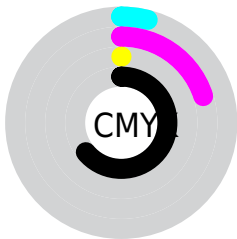
Distribution



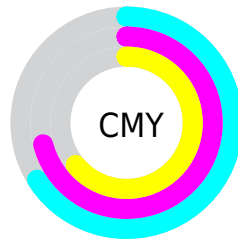
- Red (34%)
- Green (29%)
- Blue (36%)



- Red (34%)
- Yellow (29%)
- Blue (36%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (64%)





- Cyan (66%)
- Magenta (71%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.801, 318.933 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, 12.801, 318.933 by changing the saturation by 10% instead.


 33, 12.801,
318.933


 33, 12.801,
318.933

 100, 12.801,
318.933


 23, 12.801,
318.933

 53, 12.801,
318.933


 13, 12.801,
318.933


 63, 12.801,
318.933

 3, 12.801, 318.933

 73, 12.801,
318.933

 0, 12.801, 318.933

 83, 12.801,
318.933

 93, 12.801,
318.933

■ 33, 12.801,
318.933

■ 33, 12.801,
318.933

■ 30, 19.368,
319.343

■ 36, 6.283, 318.515

■ 28, 25.902,
319.738

■ 39, 0.130, 139.015

■ 25, 32.280,
320.096

■ 42, 6.406, 137.771

■ 23, 38.329,
320.393

■ 45, 12.527,
137.401

■ 21, 43.826,
320.596

■ 47, 18.485,
137.061

■ 19, 48.510,
320.667

■ 50, 24.279,
136.746

■ 17, 52.128,
320.566

■ 53, 29.912,
136.457

■ 16, 55.455,

■ 56, 35.388,
136.192

320.455

■ 59, 40.713,
135.950

■ 16, 55.531,
320.454

Harmonies

Complementary

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



33, 12.801, 318.933



37, 12.674, 137.273

Rectangle

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



33, 12.801, 318.933



33, 12.801, 8.933



33, 12.801, 138.933



33, 12.801, 188.933

Sweetspot

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



33, 12.800, 318.933



47, 4.736, 318.359



33, 8.822, 280.739



23, 3.110, 318.374



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, 12.800, 318.933



41, 19.202, 319.137



33, 11.322, 334.190



17, 3.621, 318.475



20, 63.358, 320.286



47, 111.912, 319.811

Inverse Universe

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



33, 8.377, 3.390



41, 12.661, 3.954



37, 11.252, 151.658



17, 2.332, 2.257



21, 48.143, 24.788



50, 87.399, 28.697

Previews

White Background



This preview shows how the CIELCh color 33, 12.801, 318.933 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, 12.801, 318.933 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, 12.801, 318.933

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.801, 318.933.

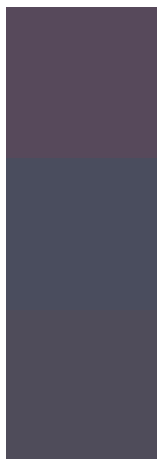


This preview shows how white text looks on a background with the CIELCh color 33, 12.801, 318.933.

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

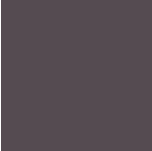
33, 12.801, 318.933

Protanopia

33, 10.755, 285.722

Deuteranopia

33, 8.944, 299.575



Tritanopia
33, 5.766, 339.415

Trichromacy



Original Color
33, 12.801, 318.933

Protanomaly
33, 10.817, 298.420

Deuteranomaly
33, 9.941, 308.623

Tritanomaly
33, 8.646, 327.487

Monochromacy



Original Color
33, 12.801, 318.933

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 4.361, 320.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.801, 318.933 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(87, 73, 91)` looks like.

```
.text, #text, p{  
    color:rgb(87, 73, 91)  
}
```

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(87, 73, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 73, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.801, 318.933 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(87, 73, 91) }
```

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

```
.border{ border-color:rgb(87, 73, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 73, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 73, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 73, 91);  
box-shadow:4px 4px 4px 4px rgb(87, 73, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.801, 318.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 73, 91) }
```

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

```
.background{ background-color: rgb(87, 73,  
91) }
```

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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