

Converting Colors

CIELCh(33, 12.870, 206.004)

Have a look what the booklet for
CIELCh(33, 12.870, 206.004)
contains.

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Color

CIELCh(33, 12.763, 206.303)

Conversions

Conversions Part 1

Format	Color
Hex	315356
RGB	49, 83, 86
RGB Percent	19%, 33%, 34%
CMY	0.8073, 0.6740, 0.6622
CMYK	0.43, 0.03, 0.00, 0.66
HSL	185°, 27%, 27%
HSV	185°, 43%, 34%
XYZ	6.0616, 7.5373, 9.9678
YIQ	73.1760, -21.2270, -6.2750

Conversions

Conversions Part 2

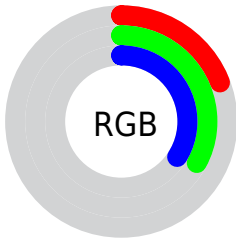
Format	Color
R_{YB}	49, 67, 86
Decimal	3232598
CIE _{Lab}	33.00, -11.44, -5.66
CIE _{LCh}	33, 12.763, 206.303
Yxy	7.5373, 0.2572, 0.3198
Android (android.graphics.Color)	4281422678 (0xFF315356)
YUV	73.1760, 6.3222, -21.2024
Hunter-Lab	27.4541, -8.6334, -2.3086

Details

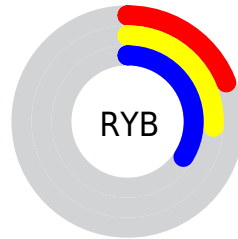
The CIELCh color **33, 12.763, 206.303** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 17.065, 29.119**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 12.765, 206.048**, and **13, 12.784, 206.495** is the 20% darker color. If you saturate the color by 10%, you get **32, 15.013, 206.457**, and if you desaturate by 10%, it is **34, 10.191, 206.266**.

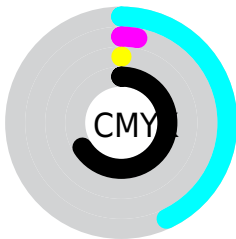
Distribution



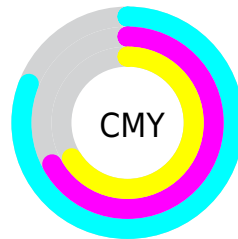
- Red (19%)
- Green (33%)
- Blue (34%)



- Red (19%)
- Yellow (26%)
- Blue (34%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (66%)





- Cyan (81%)
- Magenta (67%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.763, 206.303 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, 12.763, 206.303 by changing the saturation by 10% instead.


 33, 12.763,
206.303


 33, 12.763,
206.303

 100, 12.763,
206.303


 23, 12.763,
206.303

 53, 12.763,
206.303


 13, 12.763,
206.303


 63, 12.763,
206.303

 3, 12.763, 206.303

 73, 12.763,
206.303

 0, 12.763, 206.303

 83, 12.763,
206.303

 93, 12.763,
206.303

■ 33, 12.763,
206.303

■ 33, 12.763,
206.303

■ 32, 15.013,
206.457

■ 34, 10.191,
206.266

■ 32, 16.900,
206.759

■ 35, 7.341, 206.339

■ 35, 4.261, 206.514

■ 31, 18.394,
207.226

■ 36, 0.995, 206.959

■ 31, 19.481,
207.884

■ 37, 2.416, 26.795

■ 30, 20.210,
208.721

■ 38, 5.937, 27.177

■ 39, 9.536, 27.536

■ 30, 20.698,
209.297

■ 41, 13.189, 27.907

■ 42, 16.874, 28.290

Harmonies

Complementary

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



33, 12.763, 206.303



26, 17.065, 29.119

Rectangle

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



33, 12.763, 206.303



33, 12.763, 256.303



33, 12.763, 26.303



33, 12.763, 76.303

Sweetspot

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



33, 12.763, 206.300



46, 5.311, 206.503



33, 26.833, 143.243



23, 3.662, 206.471



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 12.763, 206.300



42, 18.261, 206.476



27, 14.600, 269.104



17, 1.869, 206.627



38, 24.046, 209.700



79, 42.536, 210.697

Inverse Universe

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



26, 26.530, 328.957



32, 39.285, 329.502



31, 15.597, 77.094



16, 3.487, 327.136



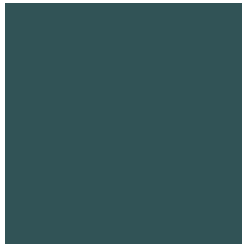
24, 57.453, 331.561



55, 101.717, 331.805

Previews

White Background



This preview shows how the CIELCh color 33, 12.763, 206.303 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, 12.763, 206.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

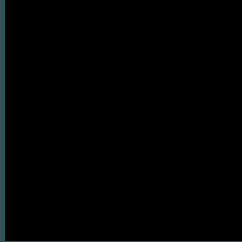
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

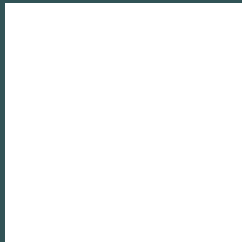
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 12.763, 206.303

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.763, 206.303.



This preview shows how white text looks on a background with the CIELCh color 33, 12.763, 206.303.

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

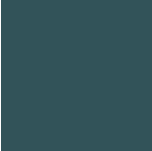
33, 12.763, 206.303

Protanopia

33, 3.156, 290.741

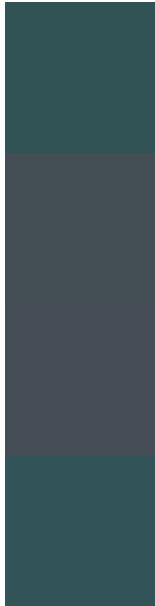
Deuteranopia

33, 8.506, 305.655



Tritanopia
33, 12.594, 215.460

Trichromacy



Original Color
33, 12.763, 206.303

Protanomaly
33, 5.732, 232.386

Deuteranomaly
33, 6.649, 258.134

Tritanomaly
33, 12.517, 212.515

Monochromacy



Original Color
33, 12.763, 206.303

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.416, 205.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.763, 206.303 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(49, 83, 86)` looks like.

```
.text, #text, p{  
    color:rgb(49, 83, 86)  
}
```

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(49, 83, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 83, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.763, 206.303 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(49, 83, 86) }
```

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

```
.border{ border-color:rgb(49, 83, 86) }
```

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

Here you see how a box with a 4 pixel rgb(49, 83, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 83, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 83, 86);  
box-shadow:4px 4px 4px 4px rgb(49, 83, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.763, 206.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 83, 86) }
```

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

```
.background{ background-color: rgb(49, 83,  
86) }
```

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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