

Converting Colors

CIELCh(33, 12.594, 198.501)

Have a look what the booklet for
CIELCh(33, 12.594, 198.501)
contains.

CIELCh(33, 12.519, 200.602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(33, 12.519, 200.602)

Conversions

Conversions Part 1

Format	Color
Hex	325354
RGB	50, 83, 84
RGB Percent	20%, 33%, 33%
CMY	0.8033, 0.6738, 0.6699
CMYK	0.40, 0.01, 0.00, 0.67
HSL	182°, 25%, 26%
HSV	182°, 40%, 33%
XYZ	6.0365, 7.5373, 9.5587
YIQ	73.2470, -19.9890, -6.6850

Conversions

Conversions Part 2

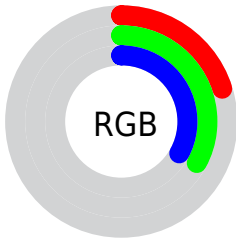
Format	Color
RYB	50, 67, 84
Decimal	3298132
CIELab	33.00, -11.72, -4.41
CIELCh	33, 12.519, 200.602
Yxy	7.5373, 0.2610, 0.3258
Android (android.graphics.Color)	4281488212 (0xFF325354)
YUV	73.2470, 5.3012, -20.3876
Hunter-Lab	27.4541, -8.7971, -1.4251




Details

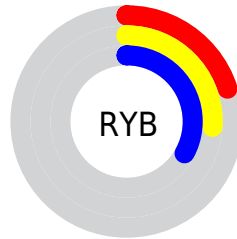
The CIELCh color **33, 12.519, 200.602** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 16.295, 24.915**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 12.838, 198.136**, and **13, 12.481, 199.971** is the 20% darker color. If you saturate the color by 10%, you get **32, 14.939, 200.413**, and if you desaturate by 10%, it is **34, 9.783, 200.858**.

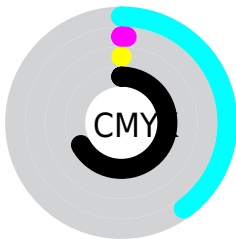
Distribution







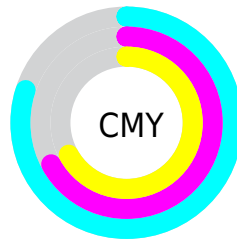
-  Red (20%)
-  Green (33%)
-  Blue (33%)






-  Red (20%)
-  Yellow (26%)
-  Blue (33%)



-  Cyan (40%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (67%)





-  Cyan (80%)
-  Magenta (67%)
-  Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.519, 200.602 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, 12.519, 200.602 by changing the saturation by 10% instead.


 33, 12.519,
200.602


 33, 12.519,
200.602

 100, 12.519,
200.602


 23, 12.519,
200.602

 53, 12.519,
200.602

 13, 12.519,
200.602


 63, 12.519,
200.602

 3, 12.519, 200.602

 73, 12.519,
200.602

 0, 12.519, 200.602

 83, 12.519,
200.602

 93, 12.519,
200.602

■ 33, 12.519,
200.602

■ 33, 12.519,
200.602

■ 32, 14.939,
200.413

■ 34, 9.783, 200.858

■ 32, 17.000,
200.308

■ 34, 6.776, 201.184

■ 32, 18.673,
200.292

■ 35, 3.546, 201.588

■ 31, 19.939,
200.370

■ 37, 3.405, 22.263

■ 31, 20.811,
200.546

■ 38, 7.048, 22.774

■ 31, 21.550,
200.725

■ 39, 10.759, 23.274

■ 40, 14.513, 23.780

■ 41, 18.287, 24.290

Harmonies

Complementary

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



33, 12.519, 200.602



25, 16.295, 24.915

Rectangle

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



33, 12.519, 200.602



33, 12.519, 250.602



33, 12.519, 20.602



33, 12.519, 70.602

Sweetspot

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



33, 12.519, 200.599



45, 5.066, 201.497



32, 25.662, 142.140



23, 3.382, 201.469



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, 12.519, 200.599



42, 17.763, 200.425



28, 12.708, 263.428



17, 1.963, 201.664



40, 25.461, 200.868



83, 45.149, 201.183

Inverse Universe

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



26, 25.411, 327.254



32, 37.124, 327.685



30, 13.953, 72.516



16, 3.613, 325.654



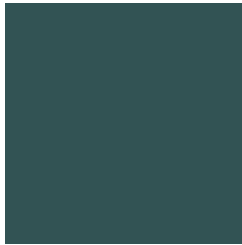
24, 59.715, 329.374



55, 105.997, 329.453

Previews

White Background



This preview shows how the CIELCh color 33, 12.519, 200.602 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, 12.519, 200.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

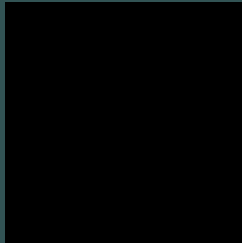
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 12.519, 200.602

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.519, 200.602.



This preview shows how white text looks on a background with the CIELCh color 33, 12.519, 200.602.

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

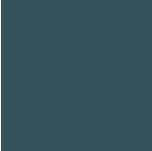
33, 12.519, 200.602

Protanopia

33, 1.949, 303.216

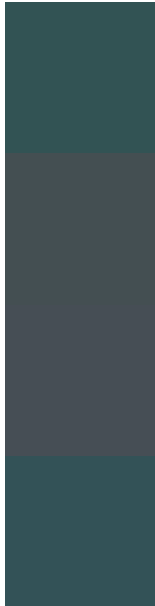
Deuteranopia

33, 7.425, 311.140



Tritanopia
33, 11.836, 220.078

Trichromacy



Original Color
33, 12.519, 200.602

Protanomaly
33, 4.866, 221.827

Deuteranomaly
33, 5.423, 253.919

Tritanomaly
33, 11.915, 213.371

Monochromacy



Original Color
33, 12.519, 200.602

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.023, 198.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.519, 200.602 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(50, 83, 84)` looks like.

```
.text, #text, p{  
    color:rgb(50, 83, 84)  
}
```

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(50, 83, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 83, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.519, 200.602 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(50, 83, 84) }
```

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

```
.border{ border-color:rgb(50, 83, 84) }
```

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

Here you see how a box with a 4 pixel rgb(50, 83, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 83, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 83, 84);  
box-shadow:4px 4px 4px 4px rgb(50, 83, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.519, 200.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 83, 84) }
```

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

```
.background{ background-color: rgb(50, 83,  
84) }
```

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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