

Converting Colors

CIELCh(33, 16.513, 205.661)

Have a look what the booklet for
CIELCh(33, 16.513, 205.661)
contains.

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Color

CIELCh(33, 16.616, 203.811)

Conversions

Conversions Part 1

Format	Color
Hex	255558
RGB	37, 85, 88
RGB Percent	15%, 33%, 35%
CMY	0.8562, 0.6678, 0.6561
CMYK	0.58, 0.03, 0.00, 0.66
HSL	184°, 41%, 24%
HSV	184°, 58%, 34%
XYZ	5.7257, 7.5373, 10.3211
YIQ	70.9900, -29.5710, -9.2430

Conversions

Conversions Part 2

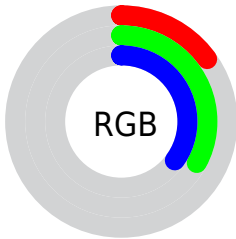
Format	Color
R_{YB}	37, 62, 88
Decimal	2446680
CIE _{Lab}	33.00, -15.20, -6.71
CIE _{LCh}	33, 16.616, 203.811
Yxy	7.5373, 0.2428, 0.3196
Android (android.graphics.Color)	4280636760 (0xFF255558)
YUV	70.9900, 8.3859, -29.8092
Hunter-Lab	27.4541, -10.8173, -3.0716




Details

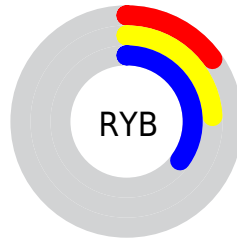
The CIELCh color **33, 16.616, 203.811** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 25.086, 29.517**, and the grayscale version is **30, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 16.797, 203.772**, and **14, 13.451, 205.872** is the 20% darker color. If you saturate the color by 10%, you get **33, 18.359, 204.007**, and if you desaturate by 10%, it is **34, 14.479, 203.737**.

Distribution







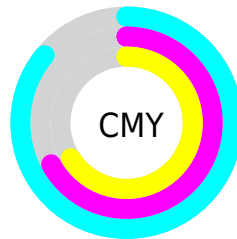
-  Red (15%)
-  Green (33%)
-  Blue (35%)






-  Red (15%)
-  Yellow (24%)
-  Blue (35%)



-  Cyan (58%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (66%)





-  Cyan (86%)
-  Magenta (67%)
-  Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 16.616, 203.811 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, 16.616, 203.811 by changing the saturation by 10% instead.


 33, 16.616,
203.811


 33, 16.616,
203.811

 100, 16.616,
203.811


 23, 16.616,
203.811

 53, 16.616,
203.811


 13, 16.616,
203.811


 63, 16.616,
203.811

 3, 16.616, 203.811

 73, 16.616,
203.811

 0, 16.616, 203.811

 83, 16.616,
203.811

 93, 16.616,
203.811

■ 33, 16.616,
203.811

■ 33, 16.616,
203.811

■ 33, 18.359,
204.007

■ 34, 14.479,
203.737

■ 32, 19.686,
204.346

■ 34, 11.985,
203.774

■ 32, 20.595,
204.840

■ 35, 9.178, 203.907

■ 31, 21.294,
205.400

■ 36, 6.107, 204.127

■ 37, 2.818, 204.453

■ 31, 21.424,
205.497

■ 37, 0.643, 24.186

■ 38, 4.234, 24.951

■ 39, 7.921, 25.376

■ 41, 11.675, 25.803

Harmonies

Complementary

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



33, 16.616, 203.811



23, 25.086, 29.517

Rectangle

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



33, 16.616, 203.811



33, 16.616, 253.811



33, 16.616, 23.811



33, 16.616, 73.811

Sweetspot

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



33, 16.616, 203.809



46, 7.141, 204.143



33, 36.555, 141.230



23, 4.799, 204.113



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, 16.616, 203.809



42, 22.901, 204.130



25, 19.602, 271.193



17, 1.908, 204.428



38, 24.594, 205.749



81, 43.535, 206.434

Inverse Universe

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



24, 36.035, 328.993



29, 51.640, 329.592



29, 21.760, 73.547



16, 3.541, 326.484



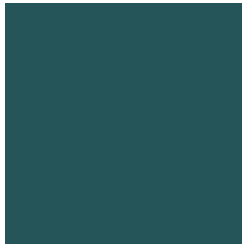
24, 58.417, 330.589



55, 103.540, 330.758

Previews

White Background



This preview shows how the CIELCh color 33, 16.616, 203.811 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, 16.616, 203.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

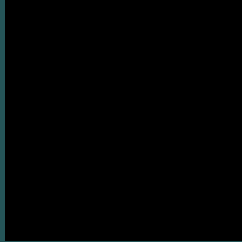
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

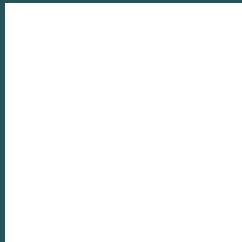
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 16.616, 203.811

Background



This preview shows how black text looks on a background with the CIELCh color 33, 16.616, 203.811.



This preview shows how white text looks on a background with the CIELCh color 33, 16.616, 203.811.

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, 16.616, 203.811

Protanopia

33, 3.787, 290.849

Deuteranopia

33, 9.653, 301.551



Tritanopia
33, 16.102, 213.477

Trichromacy



Original Color
33, 16.616, 203.811

Protanomaly
33, 7.717, 222.781

Deuteranomaly
33, 8.467, 247.330

Tritanomaly
33, 16.067, 211.130

Monochromacy



Original Color
33, 16.616, 203.811

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 6.974, 203.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 16.616, 203.811 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(37, 85, 88)` looks like.

```
.text, #text, p{  
    color:rgb(37, 85, 88)  
}
```

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(37, 85, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 85, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 16.616, 203.811 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(37, 85, 88) }
```

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

```
.border{ border-color:rgb(37, 85, 88) }
```

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

Here you see how a box with a 4 pixel rgb(37, 85, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 85, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 85, 88);  
box-shadow:4px 4px 4px 4px rgb(37, 85, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 16.616, 203.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 85, 88) }
```

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

```
.background{ background-color: rgb(37, 85,  
88) }
```

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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