

Converting Colors

CIELCh(33, 15.559, 193.373)

Have a look what the booklet for
CIELCh(33, 15.559, 193.373)
contains.

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Color

CIELCh(33, 15.421, 194.914)

Conversions

Conversions Part 1

Format	Color
Hex	2A5453
RGB	42, 84, 83
RGB Percent	16%, 33%, 33%
CMY	0.8336, 0.6690, 0.6729
CMYK	0.50, 0.00, 0.01, 0.67
HSL	179°, 33%, 25%
HSV	179°, 50%, 33%
XYZ	5.7521, 7.5373, 9.4186
YIQ	71.3280, -24.7110, -9.2150

Conversions

Conversions Part 2

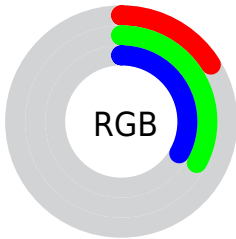
Format	Color
R_{YB}	42, 63, 84
Decimal	2774099
CIE _{Lab}	33.00, -14.90, -3.97
CIE _{LCh}	33, 15.421, 194.914
Yxy	7.5373, 0.2533, 0.3319
Android (android.graphics.Color)	4280964179 (0xFF2A5453)
YUV	71.3280, 5.7543, -25.7207
Hunter-Lab	27.4541, -10.6460, -1.1227




Details

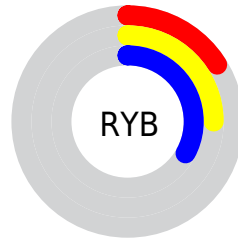
The CIELCh color **33, 15.421, 194.914** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 21.087, 22.512**, and the grayscale version is **30, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 15.613, 193.567**, and **13, 13.881, 193.319** is the 20% darker color. If you saturate the color by 10%, you get **33, 17.636, 194.489**, and if you desaturate by 10%, it is **33, 12.849, 195.367**.

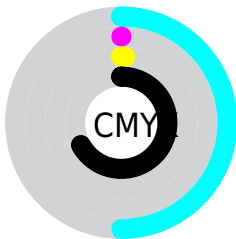
Distribution







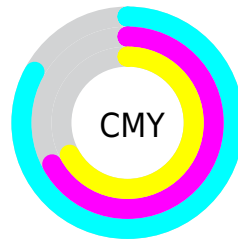
-  Red (16%)
-  Green (33%)
-  Blue (33%)






-  Red (16%)
-  Yellow (25%)
-  Blue (33%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (67%)





-  Cyan (83%)
-  Magenta (67%)
-  Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 15.421, 194.914 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, 15.421, 194.914 by changing the saturation by 10% instead.


 33, 15.421,
194.914


 33, 15.421,
194.914

 100, 15.421,
194.914


 23, 15.421,
194.914

 53, 15.421,
194.914


 13, 15.421,
194.914


 63, 15.421,
194.914

 3, 15.421, 194.914

 73, 15.421,
194.914

 0, 15.421, 194.914

 83, 15.421,
194.914

 93, 15.421,
194.914

■ 33, 15.421,
194.914

■ 33, 15.421,
194.914

■ 33, 17.636,
194.489

■ 33, 12.849,
195.367

■ 32, 19.461,
194.097

■ 34, 9.964, 195.856

■ 32, 20.878,
193.732

■ 35, 6.812, 196.380

■ 32, 21.893,
193.388

■ 35, 3.444, 196.957

■ 32, 22.780,
193.062

■ 36, 0.094, 14.287

■ 32, 22.804,
193.054

■ 37, 3.758, 17.923

■ 38, 7.510, 18.549

■ 39, 11.319, 19.156

■ 39, 15.159, 19.761

Harmonies

Complementary

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



33, 15.421, 194.914



23, 21.087, 22.512

Rectangle

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



33, 15.421, 194.914



33, 15.421, 244.914



33, 15.421, 14.914



33, 15.421, 64.914

Sweetspot

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



33, 15.421, 194.912



45, 6.493, 196.615



32, 31.416, 140.147



23, 4.451, 196.542



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, 15.421, 194.912



42, 21.713, 194.396



26, 14.720, 259.830



17, 2.026, 197.017



40, 26.934, 192.952



84, 47.940, 192.726

Inverse Universe

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



23, 21.087, 22.512



28, 32.454, 24.987



28, 17.282, 66.347



16, 2.127, 17.875



21, 52.129, 35.633



49, 97.209, 39.273

Previews

White Background



This preview shows how the CIELCh color 33, 15.421, 194.914 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, 15.421, 194.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

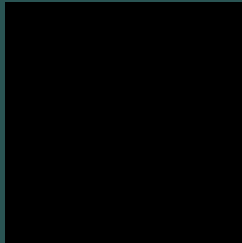
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 15.421, 194.914

Background



This preview shows how black text looks on a background with the CIELCh color 33, 15.421, 194.914.



This preview shows how white text looks on a background with the CIELCh color 33, 15.421, 194.914.

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

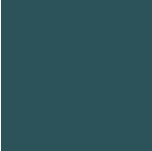
33, 15.421, 194.914

Protanopia

33, 1.342, 309.123

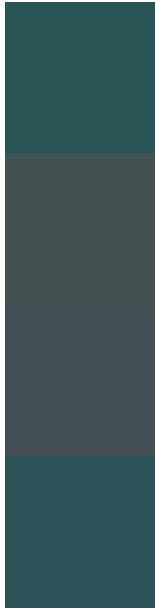
Deuteranopia

33, 6.838, 312.924



Tritanopia
33, 14.084, 216.116

Trichromacy



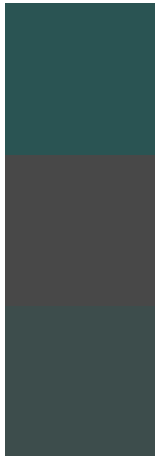
Original Color
33, 15.421, 194.914

Protanomaly
33, 6.168, 204.468

Deuteranomaly
32, 5.777, 240.138

Tritanomaly
33, 14.505, 207.612

Monochromacy



Original Color
33, 15.421, 194.914

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 6.688, 192.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 15.421, 194.914 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(42, 84, 83)` looks like.

```
.text, #text, p{  
    color:rgb(42, 84, 83)  
}
```

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(42, 84, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 84, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 15.421, 194.914 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(42, 84, 83) }
```

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

```
.border{ border-color:rgb(42, 84, 83) }
```

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

Here you see how a box with a 4 pixel rgb(42, 84, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 84, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 84, 83);  
box-shadow:4px 4px 4px 4px rgb(42, 84, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 15.421, 194.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 84, 83) }
```

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

```
.background{ background-color: rgb(42, 84,  
83) }
```

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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