

Converting Colors

CIELCh(33, 14.106, 225.342)

Have a look what the booklet for
CIELCh(33, 14.106, 225.342)
contains.

CIELCh(33, 14.225, 224.368)	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, 14.225, 224.368)

Conversions

Conversions Part 1

Format	Color
Hex	2E535D
RGB	46, 83, 93
RGB Percent	18%, 33%, 36%
CMY	0.8200, 0.6749, 0.6357
CMYK	0.51, 0.11, 0.00, 0.64
HSL	193°, 34%, 27%
HSV	193°, 51%, 36%
XYZ	6.1782, 7.5373, 11.4603
YIQ	73.0770, -25.2620, -4.7340

Conversions

Conversions Part 2

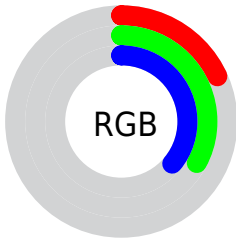
Format	Color
R _Y B	46, 67, 93
Decimal	3035997
CIE Lab	33.00, -10.17, -9.95
CIE LCh	33, 14.225, 224.368
Yxy	7.5373, 0.2454, 0.2994
Android (android.graphics.Color)	4281226077 (0xFF2E535D)
YUV	73.0770, 9.8220, -23.7465
Hunter-Lab	27.4541, -7.8754, -5.5319




Details

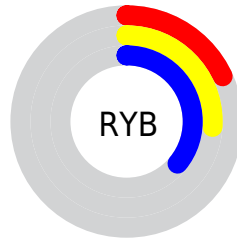
The CIELCh color **33, 14.225, 224.368** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 20.110, 40.840**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 14.333, 222.191**, and **13, 13.289, 226.539** is the 20% darker color. If you saturate the color by 10%, you get **32, 16.231, 225.788**, and if you desaturate by 10%, it is **34, 11.900, 223.266**.

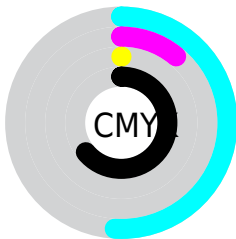
Distribution







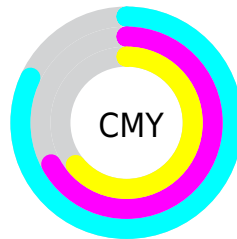
-  Red (18%)
-  Green (33%)
-  Blue (36%)






-  Red (18%)
-  Yellow (26%)
-  Blue (36%)



-  Cyan (51%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (64%)




-  Cyan (82%)
-  Magenta (67%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 14.225, 224.368 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, 14.225, 224.368 by changing the saturation by 10% instead.


 33, 14.225,
224.368


 33, 14.225,
224.368

 100, 14.225,
224.368


 23, 14.225,
224.368

 53, 14.225,
224.368


 13, 14.225,
224.368


 63, 14.225,
224.368

 3, 14.225, 224.368

 73, 14.225,
224.368

 0, 14.225, 224.368

 83, 14.225,
224.368

 93, 14.225,
224.368

■ 33, 14.225,
224.368

■ 33, 14.225,
224.368

■ 32, 16.231,
225.788

■ 34, 11.900,
223.266

■ 31, 17.890,
227.598

■ 35, 9.293, 222.430

■ 37, 6.447, 221.813

■ 30, 19.191,
229.866

■ 38, 3.401, 221.394

■ 29, 20.152,
232.650

■ 39, 0.196, 222.555

■ 28, 20.989,
235.313

■ 41, 3.136, 40.654

■ 42, 6.564, 40.567

■ 44, 10.064, 40.511

■ 45, 13.616, 40.497

Harmonies

Complementary

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



33, 14.225, 224.368



28, 20.110, 40.840

Rectangle

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



33, 14.225, 224.368



33, 14.225, 274.368



33, 14.225, 44.368



33, 14.225, 94.368

Sweetspot

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



33, 14.225, 224.366



48, 5.871, 221.572



35, 30.351, 146.436



24, 4.023, 221.633



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



33, 14.225, 224.366



41, 19.916, 226.161



26, 21.884, 281.890



18, 1.789, 221.344



34, 23.630, 236.199



71, 41.990, 239.057

Inverse Universe

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



26, 30.086, 334.141



32, 43.460, 335.008



34, 21.564, 87.627



17, 3.336, 331.454



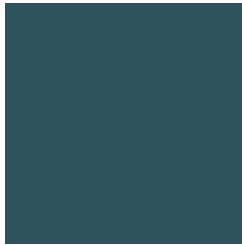
24, 53.030, 338.334



54, 92.570, 339.152

Previews

White Background



This preview shows how the CIELCh color 33, 14.225, 224.368 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, 14.225, 224.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

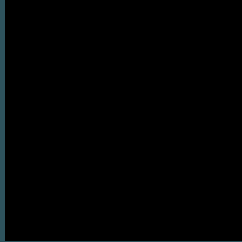
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

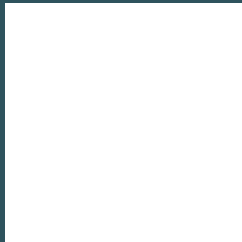
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 14.225, 224.368

Background



This preview shows how black text looks on a background with the CIELCh color 33, 14.225, 224.368.



This preview shows how white text looks on a background with the CIELCh color 33, 14.225, 224.368.

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

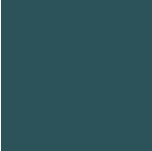
33, 14.225, 224.368

Protanopia

33, 7.596, 285.364

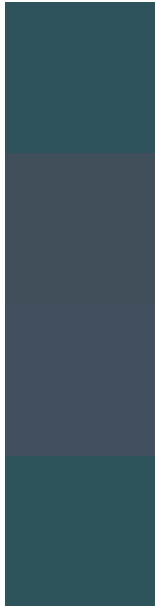
Deuteranopia

33, 11.365, 292.145



Tritanopia
33, 14.084, 216.116

Trichromacy



Original Color
33, 14.225, 224.368

Protanomaly
33, 8.908, 250.389

Deuteranomaly
33, 10.689, 261.740

Tritanomaly
33, 14.188, 218.737

Monochromacy



Original Color
33, 14.225, 224.368

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.983, 217.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 14.225, 224.368 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(46, 83, 93)` looks like.

```
.text, #text, p{  
    color:rgb(46, 83, 93)  
}
```

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(46, 83, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 83, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 14.225, 224.368 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(46, 83, 93) }
```

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

```
.border{ border-color:rgb(46, 83, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 83, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 83, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 83, 93);  
box-shadow:4px 4px 4px 4px rgb(46, 83, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 14.225, 224.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 83, 93) }
```

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

```
.background{ background-color: rgb(46, 83,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor