

Converting Colors

CIELCh(33, 17.436, 224.182)

Have a look what the booklet for
CIELCh(33, 17.436, 224.182)
contains.

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Color

CIELCh(33, 17.441, 223.459)

Conversions

Conversions Part 1

Format	Color
Hex	225460
RGB	34, 84, 96
RGB Percent	13%, 33%, 38%
CMY	0.8664, 0.6703, 0.6233
CMYK	0.65, 0.12, 0.00, 0.62
HSL	192°, 48%, 26%
HSV	192°, 65%, 38%
XYZ	5.9514, 7.5373, 12.2228
YIQ	70.4180, -33.6520, -6.8680

Conversions

Conversions Part 2

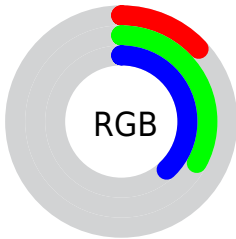
Format	Color
R_{YB}	34, 62, 96
Decimal	2249824
CIE _{Lab}	33.00, -12.66, -12.00
CIE _{LCh}	33, 17.441, 223.459
Yxy	7.5373, 0.2315, 0.2931
Android (android.graphics.Color)	4280439904 (0xFF225460)
YUV	70.4180, 12.6119, -31.9386
Hunter-Lab	27.4541, -9.3501, -7.1787

Details

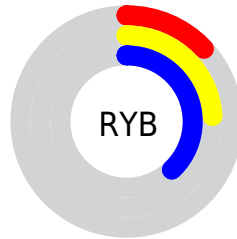
The CIELCh color **33, 17.441, 223.459** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 28.044, 40.010**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 17.524, 223.624**, and **14, 13.851, 232.255** is the 20% darker color. If you saturate the color by 10%, you get **32, 18.956, 225.247**, and if you desaturate by 10%, it is **34, 15.544, 222.058**.

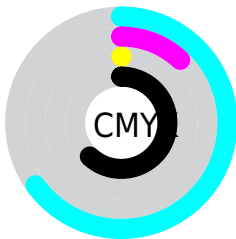
Distribution



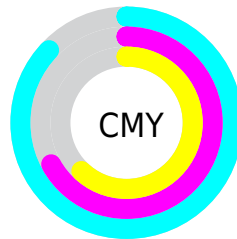
- Red (13%)
- Green (33%)
- Blue (38%)



- Red (13%)
- Yellow (24%)
- Blue (38%)



- Cyan (65%)
- Magenta (12%)
- Yellow (0%)
- Black (62%)





- Cyan (87%)
- Magenta (67%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 17.441, 223.459 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, 17.441, 223.459 by changing the saturation by 10% instead.


 33, 17.441,
223.459


 33, 17.441,
223.459

 100, 17.441,
223.459


 23, 17.441,
223.459

 53, 17.441,
223.459


 13, 17.441,
223.459


 63, 17.441,
223.459

 3, 17.441, 223.459

 73, 17.441,
223.459

 0, 17.441, 223.459

 83, 17.441,
223.459

 93, 17.441,
223.459

■ 33, 17.441,
223.459

■ 33, 17.441,
223.459

■ 32, 18.956,
225.247

■ 34, 15.544,
222.058

■ 31, 20.085,
227.492

■ 35, 13.291,
220.982

■ 30, 20.903,
230.158

■ 36, 10.719,
220.174

■ 30, 21.352,
231.575

■ 38, 7.872, 219.585

■ 39, 4.795, 219.184

■ 40, 1.531, 219.036

■ 42, 1.881, 38.476

■ 43, 5.409, 38.490

■ 44, 9.022, 38.485

Harmonies

Complementary

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



33, 17.441, 223.459



25, 28.044, 40.010

Rectangle

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



33, 17.441, 223.459



33, 17.441, 273.459



33, 17.441, 43.459



33, 17.441, 93.459

Sweetspot

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



33, 17.441, 223.458



49, 7.680, 219.364



36, 39.362, 144.181



25, 5.297, 219.449



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 17.441, 223.458



41, 23.551, 226.265



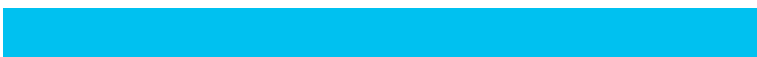
23, 28.465, 284.294



19, 1.890, 219.046



35, 23.843, 232.318



73, 41.862, 234.861

Inverse Universe

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



25, 38.569, 334.340



30, 53.534, 335.411



34, 27.948, 84.411



18, 3.541, 330.783



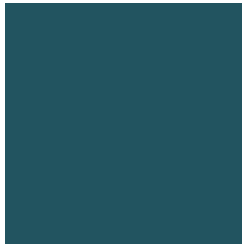
24, 54.623, 337.265



54, 94.660, 337.960

Previews

White Background



This preview shows how the CIELCh color 33, 17.441, 223.459 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, 17.441, 223.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

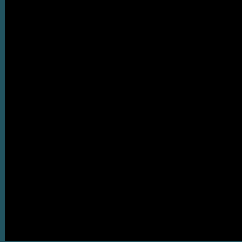
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

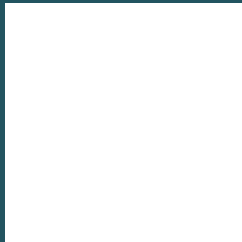
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 17.441, 223.459

Background



This preview shows how black text looks on a background with the CIELCh color 33, 17.441, 223.459.



This preview shows how white text looks on a background with the CIELCh color 33, 17.441, 223.459.

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, 17.441, 223.459

Protanopia

33, 8.848, 286.503

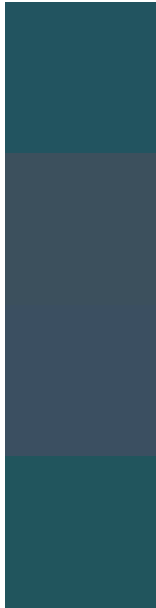
Deuteranopia

33, 13.889, 289.393



Tritanopia
33, 17.654, 211.830

Trichromacy



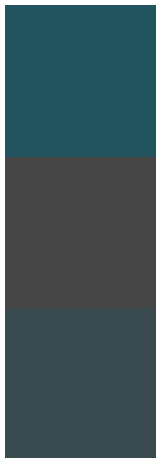
Original Color
33, 17.441, 223.459

Protanomaly
33, 10.905, 247.792

Deuteranomaly
33, 13.244, 258.497

Tritanomaly
33, 17.484, 214.202

Monochromacy



Original Color
33, 17.441, 223.459

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 7.586, 218.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 17.441, 223.459 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(34, 84, 96)` looks like.

```
.text, #text, p{  
    color:rgb(34, 84, 96)  
}
```

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(34, 84, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 84, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 17.441, 223.459 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(34, 84, 96) }
```

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

```
.border{ border-color:rgb(34, 84, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 84, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 84, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 84, 96);  
box-shadow:4px 4px 4px 4px rgb(34, 84, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 17.441, 223.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 84, 96) }
```

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

```
.background{ background-color: rgb(34, 84,  
96) }
```

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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