

Converting Colors

CIELCh(33, 21.552, 236.932)

Have a look what the booklet for
CIELCh(33, 21.552, 236.932)
contains.

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Color

CIELCh(33, 21.656, 237.891)

Conversions

Conversions Part 1

Format	Color
Hex	13546A
RGB	19, 84, 106
RGB Percent	7%, 33%, 42%
CMY	0.9249, 0.6702, 0.5839
CMYK	0.82, 0.21, 0.00, 0.58
HSL	195°, 69%, 25%
HSV	195°, 82%, 42%
XYZ	6.0553, 7.5373, 14.7973
YIQ	67.0730, -45.8020, -6.9380

Conversions

Conversions Part 2

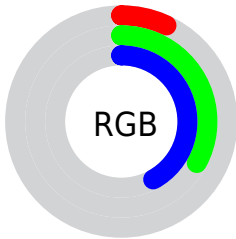
Format	Color
RYB	19, 56, 106
Decimal	1266794
CIELab	33.00, -11.51, -18.34
CIELCh	33, 21.656, 237.891
Yxy	7.5373, 0.2133, 0.2655
Android (android.graphics.Color)	4279456874 (0xFF13546A)
YUV	67.0730, 19.1910, -42.1600
Hunter-Lab	27.4541, -8.6744, -12.7384

Details

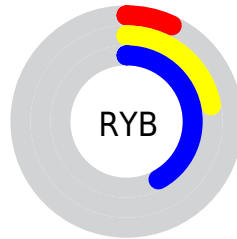
The CIELCh color **33, 21.656, 237.891** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 39.445, 45.441**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 21.545, 236.550**, and **14, 17.110, 255.115** is the 20% darker color. If you saturate the color by 10%, you get **32, 22.842, 241.400**, and if you desaturate by 10%, it is **34, 20.148, 234.978**.

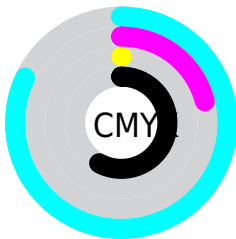
Distribution



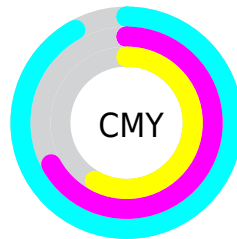
- Red (7%)
- Green (33%)
- Blue (42%)



- Red (7%)
- Yellow (22%)
- Blue (42%)



- Cyan (82%)
- Magenta (21%)
- Yellow (0%)
- Black (58%)





- Cyan (92%)
- Magenta (67%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 21.656, 237.891 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, 21.656, 237.891 by changing the saturation by 10% instead.


 33, 21.656,
237.891


 33, 21.656,
237.891

 100, 21.656,
237.891


 23, 21.656,
237.891

 53, 21.656,
237.891


 13, 21.656,
237.891


 63, 21.656,
237.891

 3, 21.656, 237.891

 73, 21.656,
237.891

 0, 21.656, 237.891

 83, 21.656,
237.891

 93, 21.656,
237.891

■ 33, 21.656,
237.891

■ 33, 21.656,
237.891

■ 32, 22.842,
241.400

■ 34, 20.148,
234.978

■ 31, 23.764,
244.266

■ 35, 18.283,
232.613

■ 37, 16.061,
230.723

■ 38, 13.503,
229.229

■ 40, 10.645,
228.061

■ 41, 7.530, 227.161

■ 43, 4.202, 226.493

■ 45, 0.700, 226.351

Harmonies

Complementary

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



33, 21.656, 237.891



26, 39.445, 45.441

Rectangle

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



33, 21.656, 237.891



33, 21.656, 287.891



33, 21.656, 57.891



33, 21.656, 107.891

Sweetspot

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



33, 21.655, 237.891



52, 10.517, 227.470



39, 49.199, 143.603



26, 7.069, 227.697



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



33, 21.655, 237.891



41, 28.585, 244.862



19, 44.253, 293.767



21, 2.005, 226.343



34, 25.591, 244.835



70, 44.745, 247.799

Inverse Universe

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



24, 46.882, 338.666



30, 60.224, 340.907



37, 38.839, 87.176



21, 3.693, 332.970



25, 54.038, 340.906



55, 92.061, 341.870

Previews

White Background



This preview shows how the CIE LCh color 33, 21.656, 237.891 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 CIELCh color 33, 21.656, 237.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

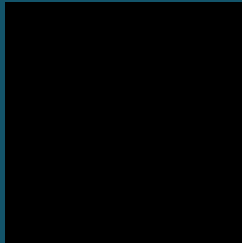
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 21.656, 237.891

Background



This preview shows how black text looks on a background with the CIELCh color 33, 21.656, 237.891.



This preview shows how white text looks on a background with the CIELCh color 33, 21.656, 237.891.

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, 21.656, 237.891

Protanopia

33, 14.605, 283.750

Deuteranopia

33, 19.716, 283.127



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 21.656, 237.891

Protanomaly
33, 16.477, 256.676

Deuteranomaly
33, 19.209, 261.952

Tritanomaly
33, 21.241, 219.994

Monochromacy



Original Color
33, 21.656, 237.891

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 10.032, 229.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 21.656, 237.891 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(19, 84, 106)` looks like.

```
.text, #text, p{  
    color:rgb(19, 84, 106)  
}
```

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(19, 84, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 84, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 21.656, 237.891 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(19, 84, 106) }
```

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

```
.border{ border-color:rgb(19, 84, 106) }
```

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

Here you see how a box with a 4 pixel rgb(19, 84, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 84, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 84, 106);  
box-shadow:4px 4px 4px 4px rgb(19, 84,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 21.656, 237.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 84, 106) }
```

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

```
.background{ background-color: rgb(19, 84,  
106) }
```

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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