

Converting Colors

CIELCh(33, 24.285, 237.592)

Have a look what the booklet for
CIELCh(33, 24.285, 237.592)
contains.

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Color

CIELCh(33, 23.625, 237.718)

Conversions

Conversions Part 1

Format	Color
Hex	00556D
RGB	0, 85, 109
RGB Percent	0%, 33%, 43%
CMY	1.0000, 0.6680, 0.5739
CMYK	1.00, 0.22, 0.00, 0.57
HSL	193°, 100%, 21%
HSV	193°, 100%, 43%
XYZ	5.9552, 7.5373, 15.5121
YIQ	62.3210, -58.3640, -10.5560

Conversions

Conversions Part 2

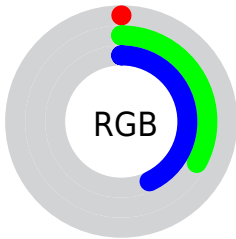
Format	Color
RYB	0, 48, 109
Decimal	21869
CIELab	33.00, -12.62, -19.97
CIELCh	33, 23.625, 237.718
Yxy	7.5373, 0.2053, 0.2599
Android (android.graphics.Color)	4278211949 (0xFF00556D)
YUV	62.3210, 23.0127, -54.6555
Hunter-Lab	27.4541, -9.3255, -14.2821

Details

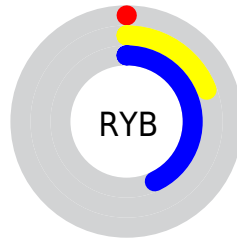
The CIELCh color **33, 23.625, 237.718** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 49.867, 43.593**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 23.660, 237.809**, and **15, 17.662, 256.331** is the 20% darker color. If you saturate the color by 10%, you get **33, 23.579, 237.815**, and if you desaturate by 10%, it is **34, 22.651, 234.566**.

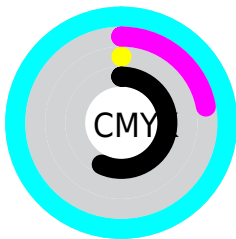
Distribution



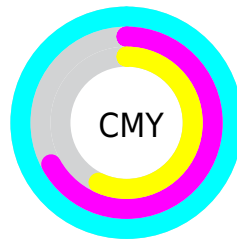
- Red (0%)
- Green (33%)
- Blue (43%)



- Red (0%)
- Yellow (19%)
- Blue (43%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (67%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 23.625, 237.718 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, 23.625, 237.718 by changing the saturation by 10% instead.


 33, 23.625,
237.718


 33, 23.625,
237.718

 100, 23.625,
237.718


 23, 23.625,
237.718

 53, 23.625,
237.718


 13, 23.625,
237.718


 63, 23.625,
237.718

 3, 23.625, 237.718

 73, 23.625,
237.718

 0, 23.625, 237.718

 83, 23.625,
237.718

 93, 23.625,
237.718

■ 33, 23.625,
237.718

■ 33, 23.625,
237.718

■ 33, 23.579,
237.815

■ 34, 22.651,
234.566

■ 35, 21.565,
231.550

■ 36, 20.093,
229.096

■ 37, 18.215,
227.138

■ 39, 15.941,
225.599

■ 40, 13.302,
224.407

■ 41, 10.340,
223.500

■ 43, 7.105, 222.827

Harmonies

Complementary

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



33, 23.625, 237.718



23, 49.867, 43.593

Rectangle

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



33, 23.625, 237.718



33, 23.625, 287.718



33, 23.625, 57.718



33, 23.625, 107.718

Sweetspot

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



33, 23.579, 237.815



53, 12.716, 223.563



39, 58.338, 139.831



26, 8.648, 223.830



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



33, 23.579, 237.815



43, 28.428, 239.018



16, 53.532, 297.482



22, 2.029, 222.331



36, 24.928, 238.203



72, 43.288, 240.894

Inverse Universe

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



23, 52.401, 338.793



31, 62.688, 339.140



35, 44.478, 81.578



21, 3.779, 331.764



25, 55.262, 338.904



55, 94.232, 339.694

Previews

White Background



This preview shows how the CIELCh color 33, 23.625, 237.718 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, 23.625, 237.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

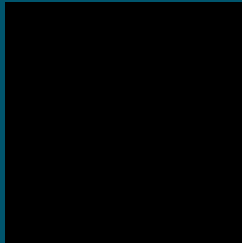
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 23.625, 237.718

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.625, 237.718.

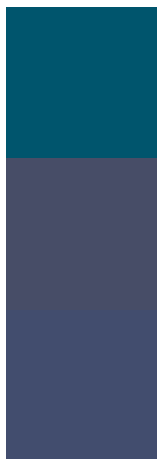


This preview shows how white text looks on a background with the CIELCh color 33, 23.625, 237.718.

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, 23.625, 237.718

Protanopia

33, 16.461, 285.201

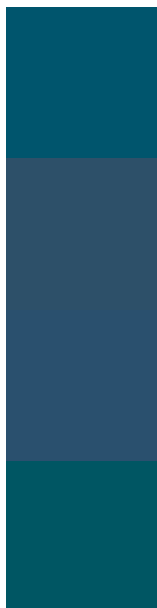
Deuteranopia

33, 20.986, 283.152



Tritanopia
33, 22.166, 206.551

Trichromacy



Original Color
33, 23.625, 237.718

Protanomaly
33, 18.910, 255.812

Deuteranomaly
33, 21.648, 260.460

Tritanomaly
33, 21.973, 219.072

Monochromacy



Original Color
33, 23.625, 237.718

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.475, 226.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.625, 237.718 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(0, 85, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 109)  
}
```

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(0, 85, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.625, 237.718 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(0, 85, 109) }
```

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

```
.border{ border-color:rgb(0, 85, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 85, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 109)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.625, 237.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 109) }
```

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

```
.background{ background-color: rgb(0, 85,  
109) }
```

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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