

Converting Colors

CIELCh(31, 32.079, 223.400)

Have a look what the booklet for
CIELCh(31, 32.079, 223.400)
contains.

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Color

CIELCh(33, 23.244, 236.540)

Conversions

Conversions Part 1

Format	Color
Hex	02556C
RGB	2, 85, 108
RGB Percent	1%, 33%, 42%
CMY	0.9937, 0.6678, 0.5775
CMYK	0.99, 0.21, 0.00, 0.58
HSL	193°, 97%, 21%
HSV	193°, 99%, 42%
XYZ	5.9374, 7.5373, 15.2545
YIQ	62.8050, -56.8510, -10.4430

Conversions

Conversions Part 2

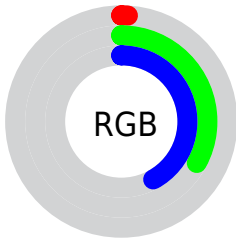
Format	Color
R_{YB}	2, 49, 108
Decimal	152940
CIE _{Lab}	33.00, -12.82, -19.39
CIE _{LCh}	33, 23.244, 236.540
Yxy	7.5373, 0.2067, 0.2624
Android (android.graphics.Color)	4278343020 (0xFF02556C)
YUV	62.8050, 22.2811, -53.3260
Hunter-Lab	27.4541, -9.4412, -13.7258

Details

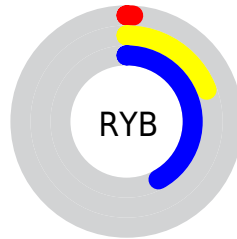
The CIELCh color **33, 23.244, 236.540** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 48.918, 43.342**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 23.391, 236.493**, and **15, 17.192, 254.358** is the 20% darker color. If you saturate the color by 10%, you get **33, 23.384, 236.997**, and if you desaturate by 10%, it is **34, 22.342, 233.338**.

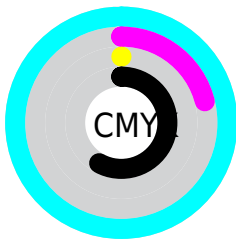
Distribution



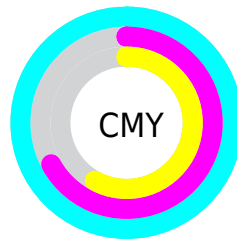
- Red (1%)
- Green (33%)
- Blue (42%)



- Red (1%)
- Yellow (19%)
- Blue (42%)



- Cyan (99%)
- Magenta (21%)
- Yellow (0%)
- Black (58%)





- Cyan (99%)
- Magenta (67%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 23.244, 236.540 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, 23.244, 236.540 by changing the saturation by 10% instead.


 33, 23.244,
236.540


 33, 23.244,
236.540

 100, 23.244,
236.540


 23, 23.244,
236.540

 53, 23.244,
236.540


 13, 23.244,
236.540


 63, 23.244,
236.540

 3, 23.244, 236.540

 73, 23.244,
236.540

 0, 23.244, 236.540

 83, 23.244,
236.540

 93, 23.244,
236.540

■ 33, 23.244,
236.540

■ 33, 23.244,
236.540

■ 33, 23.384,
236.997

■ 34, 22.342,
233.338

■ 35, 21.222,
230.467

■ 36, 19.710,
228.142

■ 37, 17.791,
226.293

■ 38, 15.479,
224.846

■ 40, 12.807,
223.731

■ 41, 9.821, 222.887

■ 43, 6.569, 222.268

Harmonies

Complementary

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



33, 23.244, 236.540



23, 48.918, 43.342

Rectangle

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



33, 23.244, 236.540



33, 23.244, 286.540



33, 23.244, 56.540



33, 23.244, 106.540

Sweetspot

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



33, 23.243, 236.540



53, 12.732, 223.061



39, 57.455, 140.027



26, 8.659, 223.320



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, 23.243, 236.540



43, 28.358, 238.227



16, 52.297, 297.053



22, 2.032, 221.873



36, 24.871, 237.422



72, 43.159, 240.077

Inverse Universe

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



23, 51.958, 338.419



31, 62.856, 338.911



35, 43.716, 81.813



21, 3.789, 331.628



25, 55.408, 338.680



55, 94.493, 339.451

Previews

White Background



This preview shows how the CIELCh color 33, 23.244, 236.540 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, 23.244, 236.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

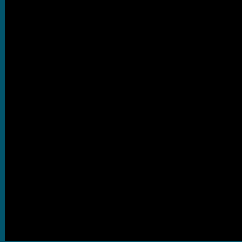
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

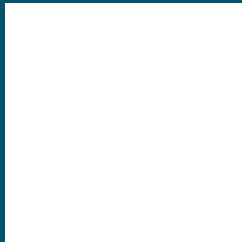
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 23.244, 236.540

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.244, 236.540.

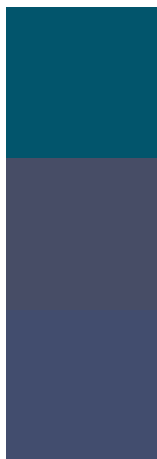


This preview shows how white text looks on a background with the CIELCh color 33, 23.244, 236.540.

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, 23.251, 236.436

Protanopia

33, 15.842, 284.748

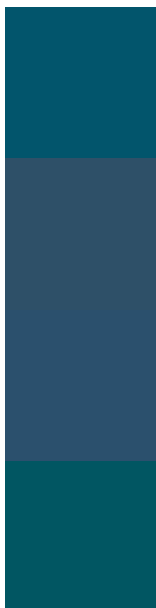
Deuteranopia

33, 20.986, 283.152



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 23.251, 236.436

Protanomaly
33, 18.312, 255.037

Deuteranomaly
33, 21.050, 259.830

Tritanomaly
33, 21.836, 217.392

Monochromacy



Original Color
33, 23.251, 236.436

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.215, 226.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.244, 236.540 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(2, 85, 108)` looks like.

```
.text, #text, p{  
    color:rgb(2, 85, 108)  
}
```

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(2, 85, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 85, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.244, 236.540 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(2, 85, 108) }
```

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

```
.border{ border-color:rgb(2, 85, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 85, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 85, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 85, 108);  
box-shadow:4px 4px 4px 4px rgb(2, 85, 108)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.244, 236.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 85, 108) }
```

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

```
.background{ background-color: rgb(2, 85,  
108) }
```

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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