

Converting Colors

CIELCh(33, 23.051, 275.874)

Have a look what the booklet for
CIELCh(33, 23.051, 275.874)
contains.

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Color

CIELCh(33, 23.426, 276.200)

Conversions

Conversions Part 1

Format	Color
Hex	384E72
RGB	56, 78, 114
RGB Percent	22%, 31%, 45%
CMY	0.7797, 0.6935, 0.5522
CMYK	0.51, 0.32, 0.00, 0.55
HSL	217°, 34%, 33%
HSV	217°, 51%, 45%
XYZ	7.4245, 7.5373, 17.0367
YIQ	75.5260, -24.6680, 6.5320

Conversions

Conversions Part 2

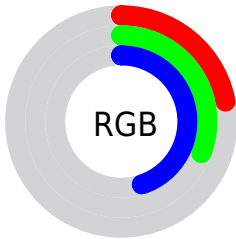
Format	Color
R _Y B	56, 72, 114
Decimal	3690098
CIE Lab	33.00, 2.53, -23.29
CIE LCh	33, 23.426, 276.200
Yxy	7.5373, 0.2320, 0.2356
Android (android.graphics.Color)	4281880178 (0xFF384E72)
YUV	75.5260, 18.9677, -17.1243
Hunter-Lab	27.4541, 0.2276, -17.5746

Details

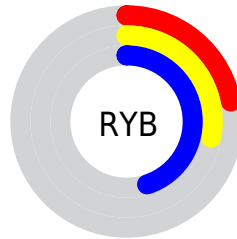
The CIELCh color **33, 23.426, 276.200** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 24.319, 80.826**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 23.339, 275.572**, and **13, 23.706, 276.736** is the 20% darker color. If you saturate the color by 10%, you get **30, 28.186, 278.879**, and if you desaturate by 10%, it is **36, 18.726, 273.876**.

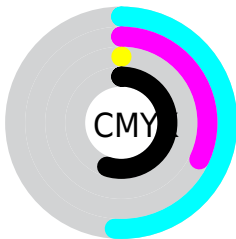
Distribution



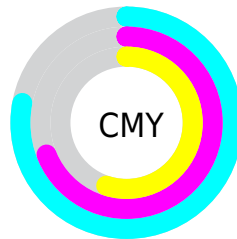
- Red (22%)
- Green (31%)
- Blue (45%)



- Red (22%)
- Yellow (28%)
- Blue (45%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)
- Black (55%)





- Cyan (78%)
- Magenta (69%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 23.426, 276.200 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, 23.426, 276.200 by changing the saturation by 10% instead.


 33, 23.426,
276.200


 33, 23.426,
276.200

 100, 23.426,
276.200


 23, 23.426,
276.200

 53, 23.426,
276.200


 13, 23.426,
276.200


 63, 23.426,
276.200

 3, 23.426, 276.200

 73, 23.426,
276.200

 0, 23.426, 276.200

 83, 23.426,
276.200

 93, 23.426,
276.200

■ 33, 23.426,
276.200

■ 33, 23.426,
276.200

■ 30, 28.186,
278.879

■ 36, 18.726,
273.876

■ 27, 33.031,
281.923

■ 39, 14.074,
271.876

■ 25, 37.986,
285.301

■ 42, 9.463, 270.161

■ 22, 43.065,
288.921

■ 45, 4.893, 268.698

■ 48, 0.365, 267.881

■ 20, 47.865,
292.060

■ 51, 4.117, 86.229

■ 54, 8.550, 85.285

■ 57, 12.928, 84.443

■ 60, 17.250, 83.697

Harmonies

Complementary

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



33, 23.426, 276.200



41, 24.319, 80.826

Rectangle

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



33, 23.426, 276.200



33, 23.426, 326.200



33, 23.426, 96.200



33, 23.426, 146.200

Sweetspot

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



33, 23.425, 276.200



56, 8.418, 269.338



44, 25.642, 165.234



28, 5.710, 269.575



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 23.425, 276.200



39, 34.997, 279.390



27, 37.740, 300.202



22, 2.510, 268.459



21, 49.828, 292.280



45, 90.324, 294.557

Inverse Universe

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



32, 28.298, 356.669



38, 41.396, 358.946



46, 33.230, 111.017



22, 2.989, 351.438



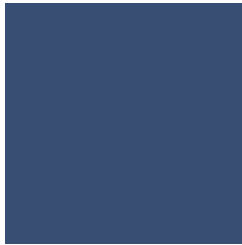
24, 48.509, 11.481



53, 83.486, 14.776

Previews

White Background



This preview shows how the CIE LCh color 33, 23.426, 276.200 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, 23.426, 276.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

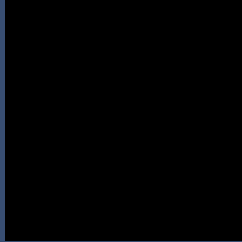
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 23.426, 276.200

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.426, 276.200.

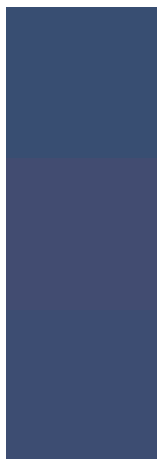


This preview shows how white text looks on a background with the CIELCh color 33, 23.426, 276.200.

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

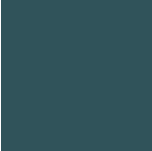
33, 23.426, 276.200

Protanopia

33, 23.438, 285.723

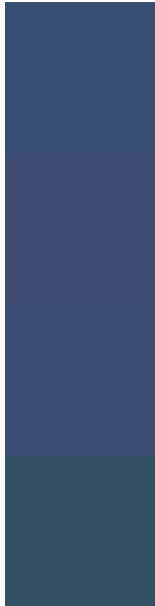
Deuteranopia

33, 23.673, 281.103



Tritanopia
33, 13.266, 217.393

Trichromacy



Original Color
33, 23.426, 276.200

Protanomaly
33, 23.015, 281.334

Deuteranomaly
33, 23.790, 279.673

Tritanomaly
33, 15.043, 247.877

Monochromacy



Original Color
33, 23.426, 276.200

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.715, 270.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.426, 276.200 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(56, 78, 114)` looks like.

```
.text, #text, p{  
    color:rgb(56, 78, 114)  
}
```

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(56, 78, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 78, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.426, 276.200 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(56, 78, 114) }
```

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

```
.border{ border-color:rgb(56, 78, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 78, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 78, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 78, 114);  
box-shadow:4px 4px 4px 4px rgb(56, 78,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.426, 276.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 78, 114) }
```

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

```
.background{ background-color: rgb(56, 78,  
114) }
```

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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