

Converting Colors

CIELCh(33, 32.545, 268.022)

Have a look what the booklet for
CIELCh(33, 32.545, 268.022)
contains.

CIELCh(33, 32.568, 268.085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 32.568, 268.085)

Conversions

Conversions Part 1

Format	Color
Hex	0D5181
RGB	13, 81, 129
RGB Percent	5%, 32%, 51%
CMY	0.9499, 0.6827, 0.4945
CMYK	0.90, 0.37, 0.00, 0.49
HSL	205°, 82%, 28%
HSV	205°, 90%, 51%
XYZ	7.0538, 7.5373, 21.8168
YIQ	66.1400, -55.9360, 0.5120

Conversions

Conversions Part 2

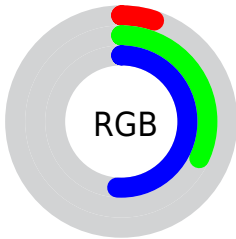
Format	Color
R_{YB}	13, 56, 129
Decimal	872833
CIE _{Lab}	33.00, -1.09, -32.55
CIE _{LCh}	33, 32.568, 268.085
Yxy	7.5373, 0.1937, 0.2070
Android (android.graphics.Color)	4279062913 (0xFF0D5181)
YUV	66.1400, 30.9900, -46.6038
Hunter-Lab	27.4541, -2.1827, -27.8977

Details

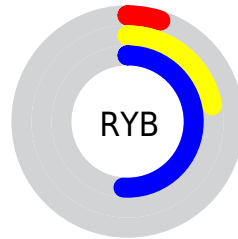
The CIELCh color **33, 32.568, 268.085** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **34, 47.875, 56.428**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 32.421, 267.999**, and **15, 30.010, 282.635** is the 20% darker color. If you saturate the color by 10%, you get **31, 35.595, 272.484**, and if you desaturate by 10%, it is **35, 29.570, 263.733**.

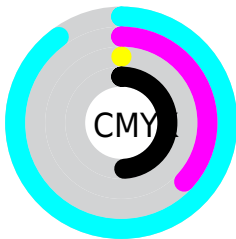
Distribution



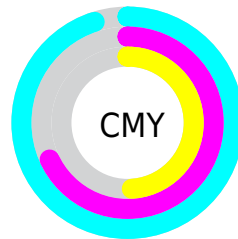
- Red (5%)
- Green (32%)
- Blue (51%)



- Red (5%)
- Yellow (22%)
- Blue (51%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)
- Black (49%)





- Cyan (95%)
- Magenta (68%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 32.568, 268.085 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, 32.568, 268.085 by changing the saturation by 10% instead.


 33, 32.568,
268.085


 33, 32.568,
268.085

 100, 32.568,
268.085


 23, 32.568,
268.085

 53, 32.568,
268.085


 13, 32.568,
268.085


 63, 32.568,
268.085

 3, 32.568, 268.085

 73, 32.568,
268.085

 0, 32.568, 268.085

 83, 32.568,
268.085

 93, 32.568,
268.085

■ 33, 32.568,
268.085

■ 33, 32.568,
268.085

■ 31, 35.595,
272.484

■ 35, 29.570,
263.733

■ 37, 26.480,
259.888

■ 39, 23.232,
256.585

■ 42, 19.794,
253.801

■ 44, 16.160,
251.481

■ 46, 12.342,
249.558

■ 49, 8.366, 247.971

■ 51, 4.257, 246.679

Harmonies

Complementary

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



33, 32.568, 268.085



34, 47.875, 56.428

Rectangle

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



33, 32.568, 268.085



33, 32.568, 318.085



33, 32.568, 88.085



33, 32.568, 138.085

Sweetspot

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



33, 32.567, 268.086



61, 13.826, 249.139



47, 54.340, 147.284



30, 9.232, 249.614



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 32.567, 268.086



41, 44.083, 273.762



17, 69.223, 302.635



26, 2.359, 246.566



31, 35.285, 272.424



0, 0.000, 0.000

Inverse Universe

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



28, 51.301, 350.470



36, 63.734, 353.800



49, 52.280, 96.984



25, 3.814, 339.881



27, 52.263, 352.944



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 32.568, 268.085 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, 32.568, 268.085 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, 32.568, 268.085

Background



This preview shows how black text looks on a background with the CIELCh color 33, 32.568, 268.085.



This preview shows how white text looks on a background with the CIELCh color 33, 32.568, 268.085.

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, 32.568, 268.085

Protanopia

33, 30.412, 285.249

Deuteranopia

33, 33.508, 278.715



Tritanopia
33, 21.986, 206.655

Trichromacy



Original Color
33, 32.568, 268.085

Protanomaly
33, 31.215, 276.569

Deuteranomaly
33, 33.448, 274.454

Tritanomaly
33, 22.450, 234.000

Monochromacy



Original Color
33, 32.568, 268.085

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 14.078, 254.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 32.568, 268.085 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(13, 81, 129)` looks like.

```
.text, #text, p{  
    color:rgb(13, 81, 129)  
}
```

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(13, 81, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 81, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 32.568, 268.085 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(13, 81, 129) }
```

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

```
.border{ border-color:rgb(13, 81, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 81, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 81, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 81, 129);  
box-shadow:4px 4px 4px 4px rgb(13, 81,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 32.568, 268.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 81, 129) }
```

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

```
.background{ background-color: rgb(13, 81,  
129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor