

Converting Colors

CIELCh(33, 32.168, 340.693)

Have a look what the booklet for
CIELCh(33, 32.168, 340.693)
contains.

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Color

CIELCh(33, 32.334, 340.964)

Conversions

Conversions Part 1

Format	Color
Hex	743A5F
RGB	116, 58, 95
RGB Percent	45%, 23%, 37%
CMY	0.5457, 0.7731, 0.6280
CMYK	0.00, 0.50, 0.18, 0.55
HSL	322°, 33%, 34%
HSV	322°, 50%, 45%
XYZ	10.7461, 7.5373, 11.6798
YIQ	79.5600, 22.6910, 23.8030

Conversions

Conversions Part 2

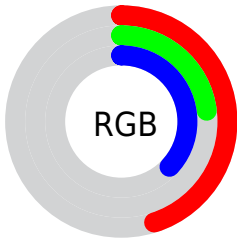
Format	Color
R_{YB}	116, 58, 95
Decimal	7617119
CIE _{Lab}	33.00, 30.57, -10.55
CIE _{LCh}	33, 32.334, 340.964
Yxy	7.5373, 0.3586, 0.2516
Android (android.graphics.Color)	4285807199 (0xFF743A5F)
YUV	79.5600, 7.6119, 31.9579
Hunter-Lab	27.4541, 21.8238, -6.0060

Details

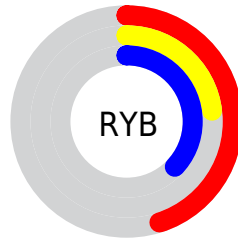
The CIELCh color **33, 32.334, 340.964** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **44, 31.736, 152.322**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 32.160, 341.045**, and **13, 32.661, 340.969** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.944, 342.049**, and if you desaturate by 10%, it is **36, 26.169, 340.001**.

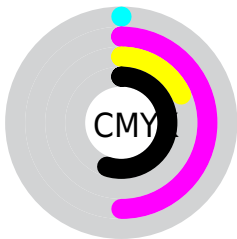
Distribution



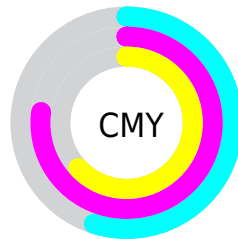
- Red (45%)
- Green (23%)
- Blue (37%)



- Red (45%)
- Yellow (23%)
- Blue (37%)



- Cyan (0%)
- Magenta (50%)
- Yellow (18%)
- Black (55%)





- Cyan (55%)
- Magenta (77%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 32.334, 340.964 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, 32.334, 340.964 by changing the saturation by 10% instead.


 33, 32.334,
340.964


 33, 32.334,
340.964

 100, 32.334,
340.964


 23, 32.334,
340.964

 53, 32.334,
340.964


 13, 32.334,
340.964


 63, 32.334,
340.964

 3, 32.334, 340.964

 73, 32.334,
340.964

 0, 32.334, 340.964

 83, 32.334,
340.964

 93, 32.334,
340.964

■ 33, 32.334,
340.964

■ 33, 32.334,
340.964

■ 30, 37.944,
342.049

■ 36, 26.169,
340.001

■ 28, 42.716,
343.297

■ 39, 19.699,
339.127

■ 27, 46.352,
344.772

■ 42, 13.108,
338.322

■ 25, 48.632,
346.555

■ 45, 6.526, 337.563

■ 24, 50.107,
348.527

■ 49, 0.040, 330.850

■ 52, 6.301, 156.304

■ 56, 12.469,
155.681

■ 59, 18.451,
155.108

■ 63, 24.247,
154.572

Harmonies

Complementary

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



33, 32.334, 340.964



44, 31.736, 152.322

Rectangle

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



33, 32.334, 340.964



33, 32.334, 30.964



33, 32.334, 160.964



33, 32.334, 210.964

Sweetspot

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



33, 32.332, 340.965



56, 12.112, 337.964



29, 37.853, 306.878



28, 8.337, 338.091



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 32.332, 340.965



40, 46.761, 342.221



32, 27.128, 13.493



23, 3.688, 337.488



26, 52.063, 348.688



55, 87.361, 350.261

Inverse Universe

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



33, 32.332, 340.965



40, 46.761, 342.221



45, 21.323, 182.829



23, 3.688, 337.488



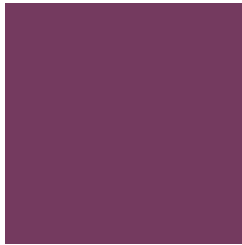
26, 52.063, 348.688



55, 87.361, 350.261

Previews

White Background



This preview shows how the CIELCh color 33, 32.334, 340.964 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, 32.334, 340.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

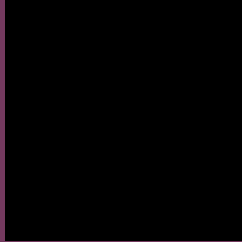
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 32.334, 340.964

Background



This preview shows how black text looks on a background with the CIELCh color 33, 32.334, 340.964.



This preview shows how white text looks on a background with the CIELCh color 33, 32.334, 340.964.

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, 32.334, 340.964

Protanopia

33, 20.242, 285.501

Deuteranopia

33, 10.193, 298.745



Tritanopia
33, 22.856, 17.405

Trichromacy



Original Color
33, 32.334, 340.964

Protanomaly
33, 22.449, 309.593

Deuteranomaly
33, 17.889, 324.558

Tritanomaly
33, 24.800, 0.833

Monochromacy



Original Color
33, 32.334, 340.964

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 12.599, 337.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 32.334, 340.964 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(116, 58, 95)` looks like.

```
.text, #text, p{  
    color:rgb(116, 58, 95)  
}
```

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(116, 58, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 58, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 32.334, 340.964 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(116, 58, 95) }
```

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

```
.border{ border-color:rgb(116, 58, 95) }
```

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

Here you see how a box with a 4 pixel rgb(116, 58, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 58, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 58, 95);  
box-shadow:4px 4px 4px 4px rgb(116, 58,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 32.334, 340.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 58, 95) }
```

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

```
.background{ background-color: rgb(116, 58,  
95) }
```

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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