

Converting Colors

CIELCh(33, 33.897, 320.621)

Have a look what the booklet for
CIELCh(33, 33.897, 320.621)
contains.

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Color

CIELCh(33, 33.883, 320.489)

Conversions

Conversions Part 1

Format	Color
Hex	663F70
RGB	102, 63, 112
RGB Percent	40%, 25%, 44%
CMY	0.6003, 0.7532, 0.5610
CMYK	0.09, 0.44, 0.00, 0.56
HSL	288°, 28%, 34%
HSV	288°, 44%, 44%
XYZ	10.1668, 7.5373, 16.2285
YIQ	80.2470, 7.5150, 23.5070

Conversions

Conversions Part 2

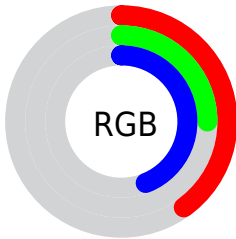
Format	Color
RYB	102, 63, 112
Decimal	6700912
CIELab	33.00, 26.14, -21.56
CIElCh	33, 33.883, 320.489
Yxy	7.5373, 0.2996, 0.2221
Android (android.graphics.Color)	4284890992 (0xFF663F70)
YUV	80.2470, 15.6542, 19.0774
Hunter-Lab	27.4541, 18.0573, -15.8294

Details

The CIELCh color **33, 33.883, 320.489** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **43, 33.276, 136.368**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 33.708, 320.424**, and **13, 33.861, 320.720** is the 20% darker color. If you saturate the color by 10%, you get **30, 41.264, 320.829**, and if you desaturate by 10%, it is **36, 26.191, 320.099**.

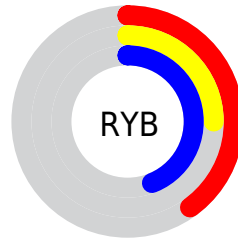
Distribution




 Red (40%)

 Green (25%)

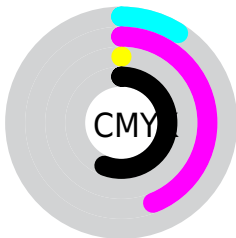
 Blue (44%)



 Red (40%)

 Yellow (25%)

 Blue (44%)

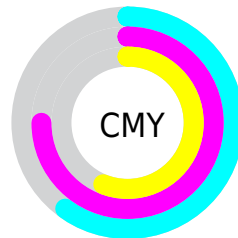


 Cyan (9%)

 Magenta (44%)

 Yellow (0%)

 Black (56%)



 Cyan (60%)


 Magenta (75%)


 Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 33.883, 320.489 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, 33.883, 320.489 by changing the saturation by 10% instead.


 33, 33.883,
320.489


 33, 33.883,
320.489

 100, 33.883,
320.489


 23, 33.883,
320.489

 53, 33.883,
320.489


 13, 33.883,
320.489


 63, 33.883,
320.489

 3, 33.883, 320.489

 73, 33.883,
320.489

 0, 33.883, 320.489

 83, 33.883,
320.489

 93, 33.883,
320.489

■ 33, 33.883,
320.489

■ 33, 33.883,
320.489

■ 30, 41.264,
320.829

■ 36, 26.191,
320.099

■ 28, 48.086,
321.087

■ 39, 18.380,
319.681

■ 25, 54.041,
321.226

■ 43, 10.579,
319.251

■ 23, 58.803,
321.207

■ 46, 2.874, 318.798

■ 49, 4.681, 138.469

■ 22, 62.178,
321.004

■ 53, 12.055,
138.066

■ 21, 64.131,
320.876

■ 56, 19.234,
137.699

■ 60, 26.211,
137.360

■ 63, 32.989,
137.048

Harmonies

Complementary

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



33, 33.883, 320.489



43, 33.276, 136.368

Rectangle

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



33, 33.883, 320.489



33, 33.883, 10.489



33, 33.883, 140.489



33, 33.883, 190.489

Sweetspot

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



33, 33.882, 320.489



55, 12.368, 319.233



32, 24.430, 285.923



28, 8.734, 319.310



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, 33.882, 320.489



39, 50.347, 320.847



34, 29.188, 336.676



22, 4.312, 319.043



23, 67.351, 320.825



50, 115.215, 320.432

Inverse Universe

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



33, 22.908, 8.166



39, 34.709, 10.247



43, 28.923, 149.989



22, 2.745, 3.659



24, 52.055, 26.842



52, 91.433, 30.221

Previews

White Background



This preview shows how the CIELCh color 33, 33.883, 320.489 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, 33.883, 320.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

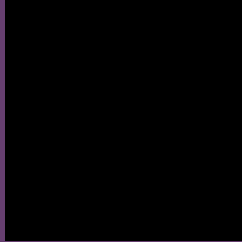
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 33.883, 320.489

Background



This preview shows how black text looks on a background with the CIELCh color 33, 33.883, 320.489.



This preview shows how white text looks on a background with the CIELCh color 33, 33.883, 320.489.

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, 33.883, 320.489

Protanopia

33, 29.768, 285.425

Deuteranopia

33, 20.327, 283.601



Tritanopia
33, 12.054, 6.474

Trichromacy



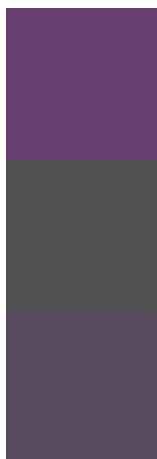
Original Color
33, 33.883, 320.489

Protanomaly
33, 30.401, 297.777

Deuteranomaly
33, 24.255, 301.105

Tritanomaly
33, 18.521, 337.382

Monochromacy



Original Color
33, 33.883, 320.489

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 12.775, 318.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 33.883, 320.489 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(102, 63, 112)` looks like.

```
.text, #text, p{  
    color:rgb(102, 63, 112)  
}
```

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(102, 63, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 63, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 33.883, 320.489 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(102, 63, 112) }
```

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

```
.border{ border-color:rgb(102, 63, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 63, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 63, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 63, 112);  
box-shadow:4px 4px 4px 4px rgb(102, 63,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 33.883, 320.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 63, 112) }
```

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

```
.background{ background-color: rgb(102, 63,  
112) }
```

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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