

Converting Colors

CIELCh(33, 18.804, 350.906)

Have a look what the booklet for
CIELCh(33, 18.804, 350.906)
contains.

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Color

CIELCh(33, 18.829, 350.896)

Conversions

Conversions Part 1

Format	Color
Hex	684353
RGB	104, 67, 83
RGB Percent	41%, 26%, 33%
CMY	0.5931, 0.7381, 0.6754
CMYK	0.00, 0.36, 0.20, 0.59
HSL	334°, 22%, 33%
HSV	334°, 36%, 41%
XYZ	9.2272, 7.5373, 9.1060
YIQ	79.8870, 16.9160, 12.8200

Conversions

Conversions Part 2

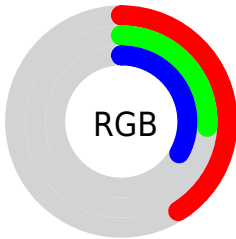
Format	Color
R_{YB}	104, 67, 83
Decimal	6832979
CIE Lab	33.00, 18.59, -2.98
CIE LCh	33, 18.829, 350.896
Yxy	7.5373, 0.3567, 0.2913
Android (android.graphics.Color)	4285023059 (0xFF684353)
YUV	79.8870, 1.5347, 21.1471
Hunter-Lab	27.4541, 11.9486, -0.4475

Details

The CIELCh color **33, 18.829, 350.896** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **41, 17.784, 164.170**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 18.490, 351.911**, and **13, 18.715, 351.942** is the 20% darker color. If you saturate the color by 10%, you get **30, 24.109, 352.204**, and if you desaturate by 10%, it is **36, 13.460, 349.767**.

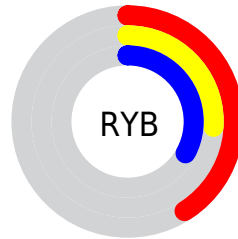
Distribution



Red (41%)

Green (26%)

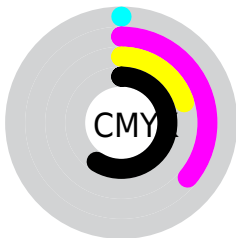
Blue (33%)



Red (41%)

Yellow (26%)

Blue (33%)

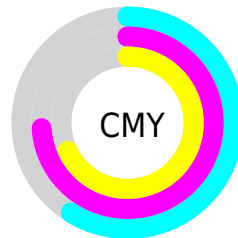


Cyan (0%)

Magenta (36%)

Yellow (20%)

Black (59%)



Cyan (59%)


Magenta (74%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.829, 350.896 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, 18.829, 350.896 by changing the saturation by 10% instead.


 33, 18.829,
350.896


 33, 18.829,
350.896

 100, 18.829,
350.896


 23, 18.829,
350.896

 53, 18.829,
350.896


 13, 18.829,
350.896


 63, 18.829,
350.896

 3, 18.829, 350.896

 73, 18.829,
350.896

 0, 18.829, 350.896

 83, 18.829,
350.896

 93, 18.829,
350.896

■ 33, 18.829,
350.896

■ 33, 18.829,
350.896

■ 30, 24.109,
352.204

■ 36, 13.460,
349.767

■ 28, 29.138,
353.747

■ 39, 8.123, 348.765

■ 42, 2.891, 347.824

■ 25, 33.701,
355.609

■ 45, 2.193, 167.243

■ 24, 37.558,
357.903

■ 49, 7.107, 166.436

■ 22, 40.498, 0.766

■ 52, 11.845,
165.758

■ 21, 42.623, 4.190

■ 55, 16.410,
165.141

■ 21, 43.608, 5.634

■ 58, 20.807,
164.573

■ 62, 25.049,

Harmonies

Complementary

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



33, 18.829, 350.896



41, 17.784, 164.170

Rectangle

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



33, 18.829, 350.896



33, 18.829, 40.896



33, 18.829, 170.896



33, 18.829, 220.896

Sweetspot

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



33, 18.827, 350.898



52, 7.059, 348.359



32, 24.860, 312.891



26, 4.786, 348.447



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



33, 18.827, 350.898



40, 28.234, 352.006



33, 16.331, 27.365



19, 2.850, 348.135



23, 46.828, 6.234



52, 81.323, 9.450

Inverse Universe

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



33, 18.827, 350.898



40, 28.234, 352.006



40, 12.849, 204.654



19, 2.850, 348.135



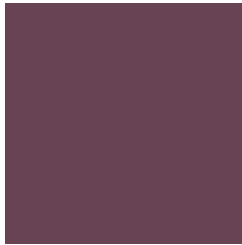
23, 46.828, 6.234



52, 81.323, 9.450

Previews

White Background



This preview shows how the CIELCh color 33, 18.829, 350.896 looks on a white background.

Color Contrast Check

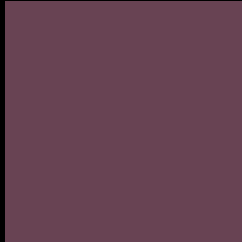
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.829, 350.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

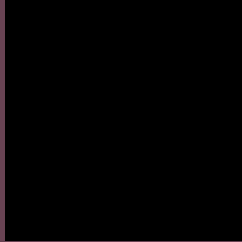
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 18.829, 350.896

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.829, 350.896.



This preview shows how white text looks on a background with the CIELCh color 33, 18.829, 350.896.

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, 18.829, 350.896

Protanopia

33, 7.571, 288.414

Deuteranopia

33, 4.695, 338.084



Tritanopia
33, 16.250, 9.036

Trichromacy



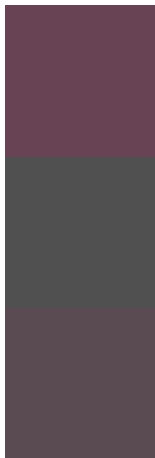
Original Color
33, 18.829, 350.896

Protanomaly
33, 10.439, 323.240

Deuteranomaly
33, 9.655, 345.224

Tritanomaly
33, 16.556, 2.631

Monochromacy



Original Color
33, 18.829, 350.896

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 7.179, 348.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.829, 350.896 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(104, 67, 83)` looks like.

```
.text, #text, p{  
    color:rgb(104, 67, 83)  
}
```

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(104, 67, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 67, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.829, 350.896 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(104, 67, 83) }
```

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

```
.border{ border-color:rgb(104, 67, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 67, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 67, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 67, 83);  
box-shadow:4px 4px 4px 4px rgb(104, 67,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.829, 350.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 67, 83) }
```

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

```
.background{ background-color: rgb(104, 67,  
83) }
```

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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