

Converting Colors

CIELCh(33, 44.674, 304.132)

Have a look what the booklet for
CIELCh(33, 44.674, 304.132)
contains.

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Color

CIELCh(33, 44.333, 303.926)

Conversions

Conversions Part 1

Format	Color
Hex	534288
RGB	83, 66, 136
RGB Percent	33%, 26%, 53%
CMY	0.6740, 0.7407, 0.4661
CMYK	0.39, 0.51, 0.00, 0.47
HSL	255°, 35%, 40%
HSV	255°, 51%, 53%
XYZ	9.9882, 7.5373, 24.2725
YIQ	79.0630, -12.3380, 25.3740

Conversions

Conversions Part 2

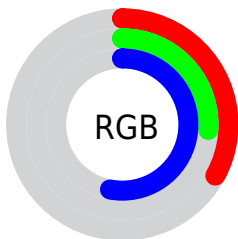
Format	Color
R_{YB}	83, 66, 136
Decimal	5456520
CIE _{Lab}	33.00, 24.74, -36.79
CIE _{LCh}	33, 44.333, 303.926
Yxy	7.5373, 0.2390, 0.1803
Android (android.graphics.Color)	4283646600 (0xFF534288)
YUV	79.0630, 28.0699, 3.4527
Hunter-Lab	27.4541, 16.8965, -33.2011

Details

The CIELCh color $[33, 44.333, 303.926]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[54, 39.385, 116.573]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 44.644, 303.916]$, and $[13, 44.859, 304.150]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 53.556, 304.998]$, and if you desaturate by 10%, it is $[38, 35.176, 302.902]$.

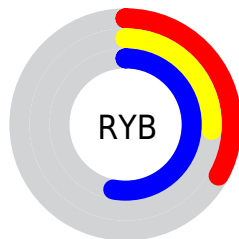
Distribution



Red (33%)

Green (26%)

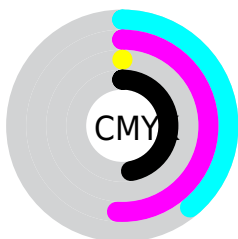
Blue (53%)



Red (33%)

Yellow (26%)

Blue (53%)

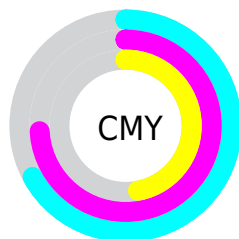


Cyan (39%)

Magenta (51%)

Yellow (0%)

Black (47%)



Cyan (67%)

Magenta (74%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 44.333, 303.926 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, 44.333, 303.926 by changing the saturation by 10% instead.

 33, 44.333,
303.926

 33, 44.333,
303.926

 100, 44.333,
303.926

 23, 44.333,
303.926

 53, 44.333,
303.926

 13, 44.333,
303.926

 63, 44.333,
303.926

 3, 44.333, 303.926

 73, 44.333,
303.926

 0, 44.333, 303.926

 83, 44.333,
303.926

 93, 44.333,
303.926

■ 33, 44.333,
303.926

■ 33, 44.333,
303.926

■ 29, 53.556,
304.998

■ 38, 35.176,
302.902

■ 25, 62.541,
306.043

■ 42, 26.236,
301.962

■ 21, 70.736,
306.932

■ 47, 17.573,
301.120

■ 18, 77.314,
307.488

■ 51, 9.208, 300.376

■ 16, 81.960,
307.862

■ 56, 1.138, 299.710

■ 61, 6.648, 119.166

■ 65, 14.165,
118.675

■ 70, 21.427,
118.251

■ 74, 28.452,
117.885

Harmonies

Complementary

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



33, 44.333, 303.926



54, 39.385, 116.573

Rectangle

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



33, 44.333, 303.926



33, 44.333, 353.926



33, 44.333, 123.926



33, 44.333, 173.926

Sweetspot

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



33, 44.332, 303.926



63, 15.003, 300.654



47, 19.455, 227.869



32, 10.350, 300.790



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



33, 44.332, 303.926



37, 66.750, 305.203



37, 46.020, 318.844



27, 4.571, 300.220



15, 80.388, 307.883



0, 2.090, 299.641

Inverse Universe

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



39, 40.804, 335.616



46, 58.641, 336.594



52, 44.656, 134.146



27, 4.592, 332.616



29, 59.303, 340.459



0, 2.117, 332.075

Previews

White Background



This preview shows how the CIELCh color 33, 44.333, 303.926 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 CIELCh color 33, 44.333, 303.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

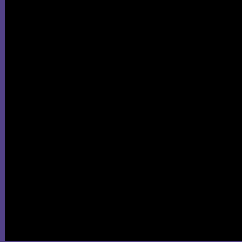
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 44.333, 303.926

Background



This preview shows how black text looks on a background with the CIELCh color 33, 44.333, 303.926.



This preview shows how white text looks on a background with the CIELCh color 33, 44.333, 303.926.

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

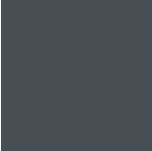
33, 44.333, 303.926

Protanopia

33, 44.224, 286.414

Deuteranopia

33, 34.913, 277.457



Tritanopia
33, 4.938, 249.240

Trichromacy



Original Color
33, 44.333, 303.926

Protanomaly
33, 44.009, 291.702

Deuteranomaly
33, 37.932, 287.533

Tritanomaly
33, 18.985, 294.546

Monochromacy



Original Color
33, 44.333, 303.926

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 16.699, 302.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 44.333, 303.926 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(83, 66, 136)` looks like.

```
.text, #text, p{  
    color:rgb(83, 66, 136)  
}
```

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(83, 66, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 66, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 44.333, 303.926 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(83, 66, 136) }
```

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

```
.border{ border-color:rgb(83, 66, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 66, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 66, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 66, 136);  
box-shadow:4px 4px 4px 4px rgb(83, 66,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 44.333, 303.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 66, 136) }
```

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

```
.background{ background-color: rgb(83, 66,  
136) }
```

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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