

Converting Colors

CIELCh(33, 20.100, 305.511)

Have a look what the booklet for
CIELCh(33, 20.100, 305.511)
contains.

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Color

CIELCh(33, 20.125, 305.559)

Conversions

Conversions Part 1

Format	Color
Hex	534867
RGB	83, 72, 103
RGB Percent	33%, 28%, 40%
CMY	0.6728, 0.7160, 0.5943
CMYK	0.19, 0.30, 0.00, 0.59
HSL	261°, 18%, 34%
HSV	261°, 30%, 41%
XYZ	8.4221, 7.5373, 13.9624
YIQ	78.8230, -3.3950, 11.9730

Conversions

Conversions Part 2

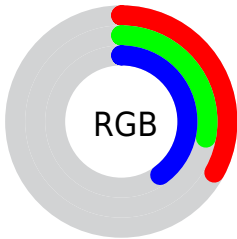
Format	Color
R_{YB}	83, 72, 103
Decimal	5458023
CIE _{Lab}	33.00, 11.70, -16.37
CIE _{LCh}	33, 20.125, 305.559
Yxy	7.5373, 0.2815, 0.2519
Android (android.graphics.Color)	4283648103 (0xFF534867)
YUV	78.8230, 11.9193, 3.6632
Hunter-Lab	27.4541, 6.7137, -10.9354

Details

The CIELCh color **33, 20.125, 305.559** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42, 19.108, 122.344**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 19.717, 305.368**, and **13, 20.519, 305.590** is the 20% darker color. If you saturate the color by 10%, you get **29, 27.216, 306.247**, and if you desaturate by 10%, it is **37, 13.211, 304.926**.

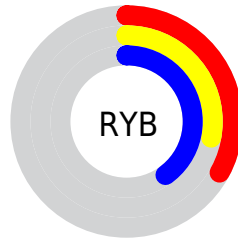
Distribution



 Red (33%)

 Green (28%)

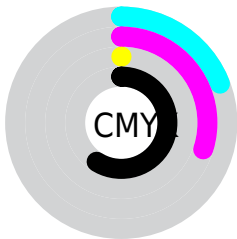
 Blue (40%)



 Red (33%)

 Yellow (28%)

 Blue (40%)

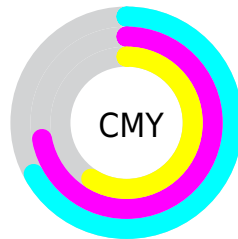


 Cyan (19%)

 Magenta (30%)

 Yellow (0%)

 Black (59%)



 Cyan (67%)


 Magenta (72%)


 Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 20.125, 305.559 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, 20.125, 305.559 by changing the saturation by 10% instead.


 33, 20.125,
305.559


 33, 20.125,
305.559

 100, 20.125,
305.559


 23, 20.125,
305.559

 53, 20.125,
305.559


 13, 20.125,
305.559


 63, 20.125,
305.559

 3, 20.125, 305.559

 73, 20.125,
305.559

 0, 20.125, 305.559

 83, 20.125,
305.559

 93, 20.125,
305.559

■ 33, 20.125,
305.559

■ 33, 20.125,
305.559

■ 29, 27.216,
306.247

■ 37, 13.211,
304.926

■ 26, 34.430,
306.976

■ 40, 6.500, 304.353

■ 23, 41.655,
307.716

■ 44, 0.001, 233.463

■ 47, 6.292, 123.409

■ 19, 48.685,
308.411

■ 51, 12.384,
123.011

■ 16, 55.183,
308.976

■ 54, 18.283,
122.665

■ 14, 60.656,
309.290


■ 58, 24.001,
122.365

■ 12, 65.822,
309.670

■ 61, 29.547,
122.104

■ 12, 65.827,

309.671

 65, 34.932,
121.879

Harmonies

Complementary

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



33, 20.125, 305.559



42, 19.108, 122.344

Rectangle

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



33, 20.125, 305.559



33, 20.125, 355.559



33, 20.125, 125.559



33, 20.125, 175.559

Sweetspot

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



33, 20.124, 305.559



52, 7.285, 304.313



38, 9.947, 241.110



26, 5.110, 304.374



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, 20.124, 305.559



40, 30.391, 306.039



35, 22.069, 321.578



19, 3.604, 304.294



14, 70.946, 309.547



35, 123.929, 308.944

Inverse Universe

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



35, 17.995, 338.763



43, 26.865, 339.353



41, 21.868, 138.722



20, 3.295, 337.157



24, 49.968, 347.966



53, 85.673, 349.627

Previews

White Background



This preview shows how the CIELCh color 33, 20.125, 305.559 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, 20.125, 305.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

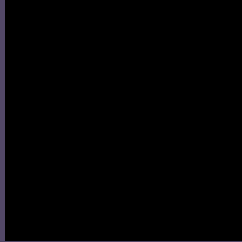
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 20.125, 305.559

Background



This preview shows how black text looks on a background with the CIELCh color 33, 20.125, 305.559.



This preview shows how white text looks on a background with the CIELCh color 33, 20.125, 305.559.

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, 20.125, 305.559

Protanopia

33, 19.011, 284.675

Deuteranopia

33, 17.055, 288.091



Tritanopia
33, 4.756, 311.832

Trichromacy



Original Color
33, 20.125, 305.559

Protanomaly
33, 19.560, 292.427

Deuteranomaly
33, 17.691, 294.409

Tritanomaly
33, 9.829, 306.301

Monochromacy



Original Color
33, 20.125, 305.559

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 7.150, 304.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 20.125, 305.559 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, 72, 103)` looks like.

```
.text, #text, p{  
    color:rgb(83, 72, 103)  
}
```

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, 72, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 72, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 20.125, 305.559 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, 72, 103) }
```

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

```
.border{ border-color:rgb(83, 72, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 72, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 72, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 72, 103);  
box-shadow:4px 4px 4px 4px rgb(83, 72,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 20.125, 305.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 72, 103) }
```

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

```
.background{ background-color: rgb(83, 72,  
103) }
```

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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