

Converting Colors

CIELCh(33, 12.285, 309.801)

Have a look what the booklet for
CIELCh(33, 12.285, 309.801)
contains.

CIELCh(33, 12.601, 309.050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 12.601, 309.050)

Conversions

Conversions Part 1

Format	Color
Hex	534A5D
RGB	83, 74, 93
RGB Percent	33%, 29%, 36%
CMY	0.6743, 0.7096, 0.6351
CMYK	0.11, 0.20, 0.00, 0.64
HSL	268°, 11%, 33%
HSV	268°, 20%, 36%
XYZ	8.0025, 7.5373, 11.4018
YIQ	78.8570, -0.7350, 7.8170

Conversions

Conversions Part 2

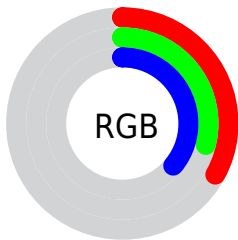
Format	Color
R_{YB}	83, 74, 93
Decimal	5458525
CIE Lab	33.00, 7.94, -9.79
CIE LCh	33, 12.601, 309.050
Yxy	7.5373, 0.2970, 0.2798
Android (android.graphics.Color)	4283648605 (0xFF534A5D)
YUV	78.8570, 6.9725, 3.6334
Hunter-Lab	27.4541, 3.9857, -5.4054




Details

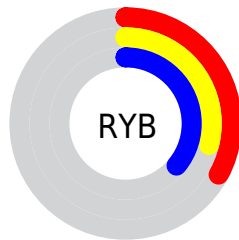
The CIELCh color **33, 12.601, 309.050** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 12.260, 127.271**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 12.253, 309.680**, and **13, 12.792, 309.536** is the 20% darker color. If you saturate the color by 10%, you get **30, 19.006, 309.553**, and if you desaturate by 10%, it is **36, 6.344, 308.577**.

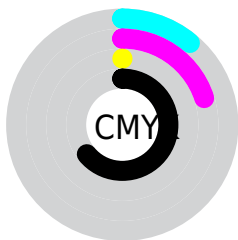
Distribution







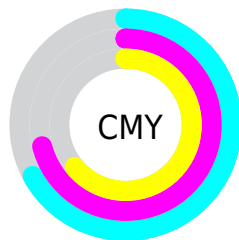
-  Red (33%)
-  Green (29%)
-  Blue (36%)






-  Red (33%)
-  Yellow (29%)
-  Blue (36%)



-  Cyan (11%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (64%)





-  Cyan (67%)
-  Magenta (71%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.601, 309.050 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, 12.601, 309.050 by changing the saturation by 10% instead.


 33, 12.601,
309.050


 33, 12.601,
309.050

 100, 12.601,
309.050


 23, 12.601,
309.050

 53, 12.601,
309.050


 13, 12.601,
309.050


 63, 12.601,
309.050

 3, 12.601, 309.050

 73, 12.601,
309.050

 0, 12.601, 309.050

 83, 12.601,
309.050

 93, 12.601,
309.050

■ 33, 12.601,
309.050

■ 33, 12.601,
309.050

■ 30, 19.006,
309.553

■ 36, 6.344, 308.577

■ 27, 25.525,
310.081

■ 39, 0.257, 307.916

■ 43, 5.656, 127.787

■ 24, 32.086,
310.615

■ 46, 11.394,
127.437

■ 21, 38.566,
311.122

■ 49, 16.962,
127.129

■ 18, 44.769,
311.555

■ 52, 22.367,
126.859

■ 16, 50.400,
311.842


■ 55, 27.617,
126.622

■ 13, 55.091,
311.896

■ 58, 32.719,
126.415

■ 11, 59.615,

312.078

 61, 37.682,
126.235

Harmonies

Complementary

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



33, 12.601, 309.050



38, 12.260, 127.271

Rectangle

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



33, 12.601, 309.050



33, 12.601, 359.050



33, 12.601, 129.050



33, 12.601, 179.050

Sweetspot

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



33, 12.600, 309.049



48, 4.475, 308.385



35, 6.747, 254.349



24, 2.993, 308.402



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



33, 12.600, 309.049



41, 19.131, 309.314



34, 14.184, 324.535



17, 3.366, 308.504



15, 67.042, 311.850



37, 118.996, 311.138

Inverse Universe

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



34, 10.333, 343.851



42, 15.637, 344.331



38, 14.157, 142.410



17, 2.773, 342.869



22, 46.026, 357.503



51, 80.504, 0.221

Previews

White Background



This preview shows how the CIELCh color 33, 12.601, 309.050 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, 12.601, 309.050 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, 12.601, 309.050

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.601, 309.050.

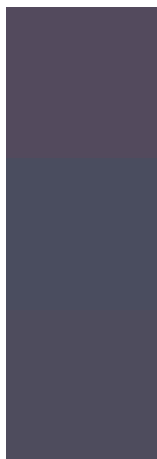


This preview shows how white text looks on a background with the CIELCh color 33, 12.601, 309.050.

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, 12.601, 309.050

Protanopia

33, 11.379, 286.206

Deuteranopia

33, 10.776, 296.293



Tritanopia
33, 4.371, 320.073

Trichromacy



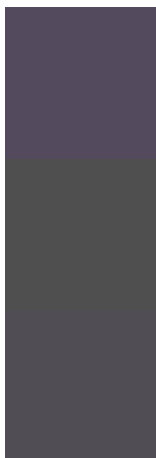
Original Color
33, 12.601, 309.050

Protanomaly
33, 11.378, 294.140

Deuteranomaly
33, 11.585, 302.137

Tritanomaly
33, 7.579, 314.163

Monochromacy



Original Color
33, 12.601, 309.050

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 4.609, 306.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.601, 309.050 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, 74, 93)` looks like.

```
.text, #text, p{  
    color:rgb(83, 74, 93)  
}
```

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, 74, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 74, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.601, 309.050 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, 74, 93) }
```

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

```
.border{ border-color:rgb(83, 74, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 74, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 74, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 74, 93);  
box-shadow:4px 4px 4px 4px rgb(83, 74, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.601, 309.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 74, 93) }
```

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

```
.background{ background-color: rgb(83, 74,  
93) }
```

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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