

Converting Colors

CIELCh(33, 25.484, 315.586)

Have a look what the booklet for
CIELCh(33, 25.484, 315.586)
contains.

CIELCh(33, 25.861, 315.841)	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, 25.861, 315.841)

Conversions

Conversions Part 1

Format	Color
Hex	5D446A
RGB	93, 68, 106
RGB Percent	36%, 27%, 42%
CMY	0.6346, 0.7326, 0.5836
CMYK	0.12, 0.36, 0.00, 0.58
HSL	279°, 22%, 34%
HSV	279°, 36%, 42%
XYZ	9.2225, 7.5373, 14.6564
YIQ	79.8070, 2.7020, 17.1180

Conversions

Conversions Part 2

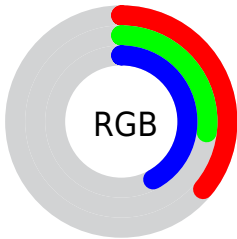
Format	Color
R_{YB}	93, 68, 106
Decimal	6112362
CIE Lab	33.00, 18.55, -18.02
CIE LCh	33, 25.861, 315.841
Yxy	7.5373, 0.2936, 0.2399
Android (android.graphics.Color)	4284302442 (0xFF5D446A)
YUV	79.8070, 12.9131, 11.5703
Hunter-Lab	27.4541, 11.9181, -12.4342

Details

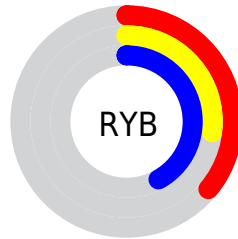
The CIELCh color $[33, 25.861, 315.841]$ is a dark color, and the websafe version is hex $\#663366$. A complement of this color would be $[42, 25.103, 132.798]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 25.304, 315.998]$, and $[13, 26.229, 315.630]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 33.164, 316.240]$, and if you desaturate by 10%, it is $[36, 18.517, 315.423]$.

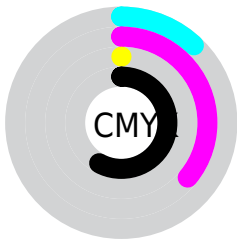
Distribution



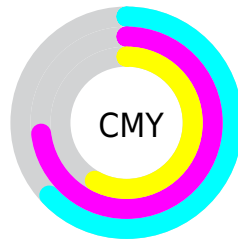
- Red (36%)
- Green (27%)
- Blue (42%)



- Red (36%)
- Yellow (27%)
- Blue (42%)



- Cyan (12%)
- Magenta (36%)
- Yellow (0%)
- Black (58%)





- Cyan (63%)
- Magenta (73%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 25.861, 315.841 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, 25.861, 315.841 by changing the saturation by 10% instead.


 33, 25.861,
315.841


 33, 25.861,
315.841

 100, 25.861,
315.841


 23, 25.861,
315.841

 53, 25.861,
315.841


 13, 25.861,
315.841


 63, 25.861,
315.841

 3, 25.861, 315.841

 73, 25.861,
315.841

 0, 25.861, 315.841

 83, 25.861,
315.841

 93, 25.861,
315.841

■ 33, 25.861,
315.841

■ 33, 25.861,
315.841

■ 30, 33.164,
316.240

■ 36, 18.517,
315.423

■ 27, 40.271,
316.593

■ 40, 11.236,
315.004

■ 24, 46.954,
316.859

■ 43, 4.080, 314.586

■ 22, 52.910,
316.988

■ 46, 2.914, 134.269

■ 50, 9.729, 133.890

■ 20, 57.784,
316.919

■ 53, 16.357,
133.561

■ 18, 61.529,
316.656

■ 57, 22.799,
133.264

■ 17, 63.163,
316.584

■ 60, 29.058,
132.996

■ 63, 35.140,
132.755

Harmonies

Complementary

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



33, 25.861, 315.841



42, 25.103, 132.798

Rectangle

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



33, 25.861, 315.841



33, 25.861, 5.841



33, 25.861, 135.841



33, 25.861, 185.841

Sweetspot

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



33, 25.860, 315.841



53, 9.640, 314.817



34, 16.009, 275.190



26, 6.435, 314.855



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, 25.860, 315.841



40, 38.540, 316.178



34, 25.205, 330.905



20, 3.997, 314.720



20, 67.838, 316.473



44, 117.179, 315.891

Inverse Universe

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



34, 18.472, 356.874



41, 27.590, 358.098



41, 25.159, 146.269



21, 2.814, 353.835



24, 48.139, 14.786



52, 83.890, 18.312

Previews

White Background



This preview shows how the CIELCh color 33, 25.861, 315.841 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, 25.861, 315.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

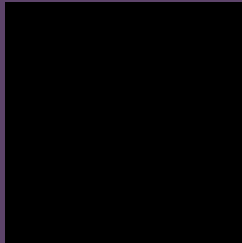
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 25.861, 315.841

Background



This preview shows how black text looks on a background with the CIELCh color 33, 25.861, 315.841.

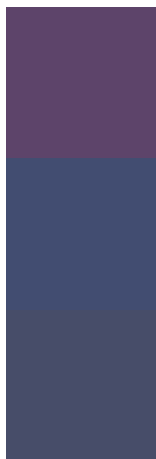


This preview shows how white text looks on a background with the CIELCh color 33, 25.861, 315.841.

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, 25.861, 315.841

Protanopia

33, 22.818, 284.472

Deuteranopia

33, 17.699, 286.031



Tritanopia
33, 7.304, 355.178

Trichromacy



Original Color
33, 25.861, 315.841

Protanomaly
33, 23.374, 295.855

Deuteranomaly
33, 19.705, 298.948

Tritanomaly
33, 13.384, 328.545

Monochromacy



Original Color
33, 25.861, 315.841

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 9.614, 314.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 25.861, 315.841 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(93, 68, 106)` looks like.

```
.text, #text, p{  
    color:rgb(93, 68, 106)  
}
```

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(93, 68, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 68, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 25.861, 315.841 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(93, 68, 106) }
```

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

```
.border{ border-color:rgb(93, 68, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 68, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 68, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 68, 106);  
box-shadow:4px 4px 4px 4px rgb(93, 68,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 25.861, 315.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 68, 106) }
```

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

```
.background{ background-color: rgb(93, 68,  
106) }
```

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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