

Converting Colors

CIELCh(33, 13.738, 304.460)

Have a look what the booklet for
CIELCh(33, 13.738, 304.460)
contains.

CIELCh(33, 13.617, 304.283)	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, 13.617, 304.283)

Conversions

Conversions Part 1

Format	Color
Hex	514A5F
RGB	81, 74, 95
RGB Percent	32%, 29%, 37%
CMY	0.6811, 0.7085, 0.6261
CMYK	0.15, 0.22, 0.00, 0.63
HSL	260°, 12%, 33%
HSV	260°, 22%, 37%
XYZ	7.9731, 7.5373, 11.9418
YIQ	78.4870, -2.5690, 8.0150

Conversions

Conversions Part 2

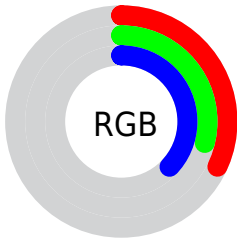
Format	Color
R_{YB}	81, 74, 95
Decimal	5327455
CIE Lab	33.00, 7.67, -11.25
CIE LCh	33, 13.617, 304.283
Yxy	7.5373, 0.2904, 0.2746
Android (android.graphics.Color)	4283517535 (0xFF514A5F)
YUV	78.4870, 8.1409, 2.2039
Hunter-Lab	27.4541, 3.7948, -6.5717

Details

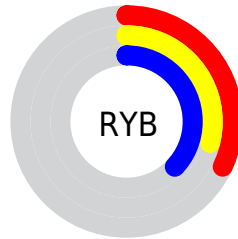
The CIELCh color **33, 13.617, 304.283** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 13.110, 121.929**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 13.072, 303.359**, and **13, 13.989, 304.542** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.102, 304.948**, and if you desaturate by 10%, it is **36, 7.322, 303.681**.

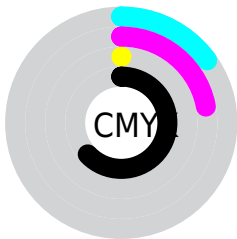
Distribution



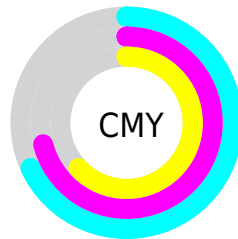
- Red (32%)
- Green (29%)
- Blue (37%)



- Red (32%)
- Yellow (29%)
- Blue (37%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (63%)





- Cyan (68%)
- Magenta (71%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 13.617, 304.283 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, 13.617, 304.283 by changing the saturation by 10% instead.


 33, 13.617,
304.283


 33, 13.617,
304.283


 100, 13.617,
304.283


 23, 13.617,
304.283

 53, 13.617,
304.283


 13, 13.617,
304.283


 63, 13.617,
304.283

 3, 13.617, 304.283

 73, 13.617,
304.283

 0, 13.617, 304.283

 83, 13.617,
304.283

 93, 13.617,
304.283

■ 33, 13.617,
304.283

■ 33, 13.617,
304.283

■ 30, 20.102,
304.948

■ 36, 7.322, 303.681

■ 40, 1.225, 303.123

■ 26, 26.755,
305.673

■ 43, 4.676, 122.688

■ 23, 33.522,
306.442

■ 46, 10.388,
122.269

■ 20, 40.292,
307.223

■ 50, 15.919,
121.905

■ 17, 46.867,
307.958

■ 53, 21.280,
121.589

■ 14, 52.914,
308.557

■ 56, 26.479,
121.315

■ 12, 58.032,
308.924

■ 60, 31.527,
121.077

■ 10, 62.337,

309.432

■ 63, 36.431,
120.871

Harmonies

Complementary

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



33, 13.617, 304.283



39, 13.110, 121.929

Rectangle

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



33, 13.617, 304.283



33, 13.617, 354.283



33, 13.617, 124.283



33, 13.617, 174.283

Sweetspot

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



33, 13.616, 304.282



49, 5.279, 303.412



37, 6.923, 237.808



25, 3.459, 303.429



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 13.616, 304.282



41, 20.217, 304.592



34, 15.060, 320.724



18, 3.440, 303.504



13, 70.081, 309.231



34, 123.429, 308.630

Inverse Universe

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



34, 12.525, 337.151



43, 18.483, 337.508



38, 14.941, 138.747



18, 3.204, 336.208



24, 49.801, 346.298



53, 86.036, 347.850

Previews

White Background



This preview shows how the CIELCh color 33, 13.617, 304.283 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, 13.617, 304.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

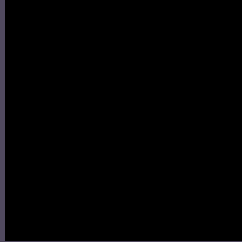
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 13.617, 304.283

Background



This preview shows how black text looks on a background with the CIELCh color 33, 13.617, 304.283.

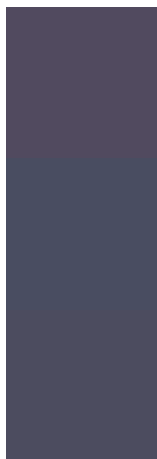


This preview shows how white text looks on a background with the CIELCh color 33, 13.617, 304.283.

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, 13.617, 304.283

Protanopia

33, 12.661, 285.337

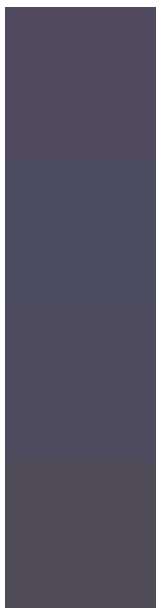
Deuteranopia

33, 11.995, 292.249



Tritanopia
33, 3.890, 303.403

Trichromacy



Original Color
33, 13.617, 304.283

Protanomaly
33, 12.624, 292.353

Deuteranomaly
33, 12.721, 297.715

Tritanomaly
33, 7.165, 304.793

Monochromacy



Original Color
33, 13.617, 304.283

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 5.216, 305.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 13.617, 304.283 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(81, 74, 95)` looks like.

```
.text, #text, p{  
    color:rgb(81, 74, 95)  
}
```

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(81, 74, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 74, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 13.617, 304.283 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(81, 74, 95) }
```

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

```
.border{ border-color:rgb(81, 74, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 74, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 74, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 74, 95);  
box-shadow:4px 4px 4px 4px rgb(81, 74, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 13.617, 304.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 74, 95) }
```

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

```
.background{ background-color: rgb(81, 74,  
95) }
```

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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