

Converting Colors

XYZ(33.8194, 33.6760, 35.3589)

Have a look what the booklet for
XYZ(33.8194, 33.6760, 35.3589)
contains.

XYZ(33.8015, 33.6616, 35.2877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8015, 33.6616,
35.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	AA999A
RGB	170, 153, 154
RGB Percent	67%, 60%, 60%
CMY	0.3333, 0.4000, 0.3961
CMYK	0.00, 0.10, 0.09, 0.33
HSL	356°, 9%, 63%
HSV	356°, 10%, 67%
XYZ	33.8015, 33.6616, 35.2877
YIQ	158.1970, 9.8110, 3.9150

Conversions

Conversions Part 2

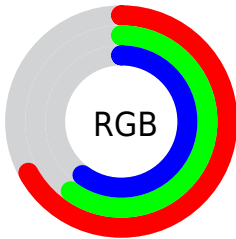
Format	Color
RYB	170, 153, 154
Decimal	11180442
CIELab	64.69, 6.43, 1.75
CIELCh	65, 6.662, 15.209
Yxy	33.6616, 0.3290, 0.3276
Android (android.graphics.Color)	4289370522 (0xFFAA999A)
YUV	158.1970, -2.0691, 10.3512
Hunter-Lab	58.0186, 2.4611, 4.5521

Details

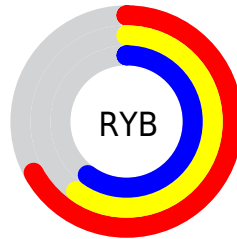
The XYZ color **33.8015, 33.6616, 35.2877** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6743, 38.3871, 43.1198**, and the grayscale version is **32.5955, 34.2930, 37.3451**.

A 20% lighter version of the original color is **64.7493, 65.1873, 68.8443**, and **14.6708, 14.3336, 14.8254** is the 20% darker color. If you saturate the color by 10%, you get **29.9698, 27.9905, 27.8673**, and if you desaturate by 10%, it is **38.2093, 40.1996, 43.7777**.

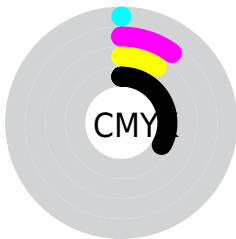
Distribution



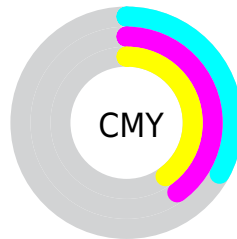
- Red (67%)
- Green (60%)
- Blue (60%)



- Red (67%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (9%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8015, 33.6616, 35.2877 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 XYZ color 33.8015, 33.6616, 35.2877 by changing the saturation by 10% instead.

■ 33.8015, 33.6616,
35.2877

■ 33.8015, 33.6616,
35.2877

310.8476,
318.6205, 340.7792

■ 22.9033, 22.6338,
23.5993

■ 64.9712, 65.4071,
69.0878

■ 14.6424, 14.3233,
14.8272

■ 85.9734, 86.8935,
92.0366

■ 8.6535, 8.3459,
8.5529

111.0744,
112.6349, 119.5759

■ 4.5712, 4.3171,
4.3579

140.6394,
143.0157, 152.1243

■ 2.0301, 1.8525,
1.8237

175.0339,
178.4203, 190.1002

■ 0.6508, 0.5196,
0.4435

214.6232,

■ 0.0000, 0.0000,

219.2330, 233.9224

0.0000

259.7726,
265.8383, 284.0091

■ 33.8015, 33.6616,
35.2877

■ 33.8015, 33.6616,
35.2877

■ 29.9698, 27.9905,
27.8673

■ 38.2093, 40.1996,
43.7777

■ 26.6876, 23.1458,
21.4719

■ 43.2126, 47.6340,
53.3749

■ 23.9306, 19.0901,
16.0572

■ 48.8334, 55.9986,
64.1182

■ 21.6715, 15.7817,
11.5746

■ 55.0918, 65.3240,
76.0434

■ 19.8806, 13.1751,
7.9715

■ 62.0070, 75.6392,
89.1852

■ 18.5250, 11.2194,
5.1901

■ 69.5959, 86.9694,
103.5761

■ 17.5674, 9.8574,
3.1655

■ 70.3877, 87.2861,
107.7458

■ 16.9644, 9.0216,
1.8232

■ 16.6324, 8.5681,
1.0636

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.8051, 33.6616, 38.0125



33.8015, 33.6616, 35.2877



33.3072, 33.6616, 33.0405

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.8015, 33.6616, 35.2877



30.7072, 33.6616, 33.0658



31.5273, 33.6616, 41.9821

Complementary

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



33.8015, 33.6616, 35.2877



34.6743, 38.3871, 43.1198

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.7164, 33.6616, 40.5170



33.8015, 33.6616, 35.2877



30.2494, 33.6616, 35.3239

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.8015, 33.6616, 35.2877



31.5144, 33.6616, 31.8019



30.2528, 33.6616, 38.0505



32.4791, 33.6616, 41.9712

Rectangle

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



33.8015, 33.6616, 35.2877



32.7715, 33.6616, 32.0763



30.2528, 33.6616, 38.0505



31.2296, 33.6616, 41.6428

Sweetspot

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



33.8024, 33.6631, 35.2884



66.7693, 69.1423, 74.5114



34.9814, 34.1065, 42.7700



14.7453, 15.2045, 16.3381



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.8024, 33.6631, 35.2884



59.6985, 58.6600, 60.8731



34.9627, 36.1160, 35.2672



7.5483, 7.5492, 7.9385



12.2422, 6.3056, 0.8210



0.3033, 0.1556, 0.0484

Inverse Universe

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



33.8024, 33.6631, 35.2884



59.6985, 58.6600, 60.8731



33.4260, 35.7401, 43.1673



7.5483, 7.5492, 7.9385



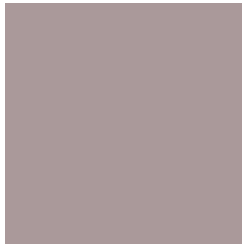
12.2422, 6.3056, 0.8210



0.3033, 0.1556, 0.0484

Previews

White Background



This preview shows how the XYZ color 33.8015, 33.6616, 35.2877 looks on a white 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

Black Background



This preview shows how the XYZ color 33.8015, 33.6616, 35.2877 looks on a black 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

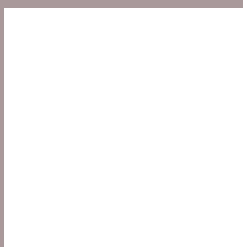
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8015, 33.6616, 35.2877

Background



This preview shows how black text looks on a background with the XYZ color 33.8015, 33.6616, 35.2877.



This preview shows how white text looks on a background with the XYZ color 33.8015, 33.6616,

35.2877.

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

33.8015, 33.6616, 35.2877

Protanopia

32.3864, 33.6508, 36.2408

Deuteranopia

34.2946, 33.6738, 35.2640



Tritanopia

34.6337, 33.7587, 39.3410

Trichromacy



Original Color

33.8015, 33.6616, 35.2877

Protanomaly

32.9476, 33.7018, 35.7789

Deuteranomaly

34.0742, 33.5602, 35.2537

Tritanomaly

34.3680, 33.6525, 37.9419

Monochromacy



Original Color

33.8015, 33.6616, 35.2877

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8746, 33.8926, 36.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8015, 33.6616, 35.2877 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(170, 153, 154)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 154)  
}
```

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(170, 153, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.8015, 33.6616, 35.2877 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(170, 153, 154) }
```


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

```
.border{ border-color:rgb(170, 153, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 154);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8015, 33.6616, 35.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 154) }
```

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

```
.background{ background-color: rgb(170,  
153, 154) }
```

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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