

Converting Colors

XYZ(33.2935, 36.5673, 36.8251)

Have a look what the booklet for
XYZ(33.2935, 36.5673, 36.8251)
contains.

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Color

**XYZ(33.1662, 36.3785,
36.7262)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA59C
RGB	156, 165, 156
RGB Percent	61%, 65%, 61%
CMY	0.3882, 0.3529, 0.3882
CMYK	0.05, 0.00, 0.05, 0.35
HSL	120°, 5%, 63%
HSV	120°, 5%, 65%
XYZ	33.1662, 36.3785, 36.7262
YIQ	161.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

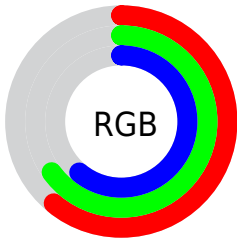
Format	Color
RYB	156, 165, 165
Decimal	10266012
CIELab	66.81, -4.92, 3.55
CIElCh	67, 6.069, 144.174
Yxy	36.3785, 0.3121, 0.3423
Android (android.graphics.Color)	4288456092 (0xFF9CA59C)
YUV	161.2830, -2.6045, -4.6332
Hunter-Lab	60.3146, -7.3957, 6.1179

Details

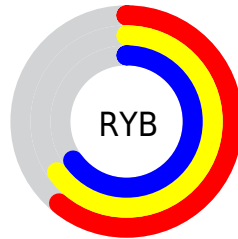
The XYZ color **33.1662, 36.3785, 36.7262** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1984, 34.4938, 40.4546**, and the grayscale version is **34.0213, 35.7931, 38.9787**.

A 20% lighter version of the original color is **63.8044, 69.5412, 71.0327**, and **14.2806, 15.8334, 15.6681** is the 20% darker color. If you saturate the color by 10%, you get **28.8840, 34.3226, 29.7211**, and if you desaturate by 10%, it is **38.0740, 38.7371, 44.7530**.

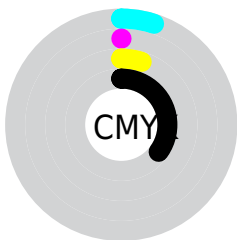
Distribution



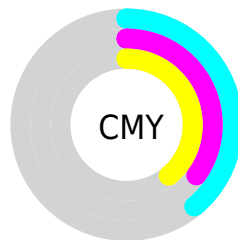
- Red (61%)
- Green (65%)
- Blue (61%)



- Red (61%)
- Yellow (65%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)



- Cyan (39%)
- Magenta (35%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1662, 36.3785, 36.7262 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 33.1662, 36.3785, 36.7262 by changing the saturation by 10% instead.

■ 33.1662, 36.3785,
36.7262

■ 33.1662, 36.3785,
36.7262

308.0497,
330.6119, 347.2565

■ 22.4136, 24.7267,
24.7014

■ 63.9879, 69.6159,
71.3331

■ 14.2795, 15.8735,
15.6378

■ 84.7877, 91.9702,
94.7523

■ 8.3983, 9.4347,
9.1166

109.6673,
118.6608, 122.8068

■ 4.4048, 5.0258,
4.7195

138.9921,
150.0721, 155.9150

■ 1.9336, 2.2624,
2.0278

173.1273,
186.5884, 194.4956

■ 0.5962, 0.7537,
0.5723

212.4385,

■ 0.0000, 0.0000,

228.5943, 238.9670

0.0000

257.2908,
276.4739, 289.7478

■ 33.1662, 36.3785,
36.7262

■ 33.1662, 36.3785,
36.7262

■ 28.8840, 34.3226,
29.7211

■ 38.0740, 38.7371,
44.7530

■ 25.1995, 32.5527,
23.6944

■ 43.6281, 41.4049,
53.8375

■ 22.0869, 31.0576,
18.6032

■ 49.8516, 44.3944,
64.0171

■ 19.5177, 29.8235,
14.4008

■ 56.7659, 47.7157,
75.3267

■ 17.4607, 28.8354,
11.0362

■ 64.3914, 51.3786,
87.7994

■ 15.8816, 28.0769,
8.4533

■ 72.7458, 55.3917,
101.4653

■ 14.7420, 27.5295,
6.5891

■ 13.9974, 27.1718,
5.3711

■ 13.5908, 26.9765,
4.7060

Harmonies

Analogous

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



33.8594, 36.3785, 35.1779



33.1662, 36.3785, 36.7262



32.8515, 36.3785, 39.0994

Triad

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



33.1662, 36.3785, 36.7262



34.3979, 36.3785, 44.8509



36.2109, 36.3785, 37.5772

Complementary

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



33.1662, 36.3785, 36.7262



34.1984, 34.4938, 40.4546

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.



36.3612, 36.3785, 40.1250



33.1662, 36.3785, 36.7262



35.3040, 36.3785, 44.3995

Square

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



33.1662, 36.3785, 36.7262



33.5545, 36.3785, 43.8485



36.0266, 36.3785, 42.6409



35.6194, 36.3785, 35.6539

Rectangle

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



33.1662, 36.3785, 36.7262



32.8946, 36.3785, 40.8598



36.0266, 36.3785, 42.6409



36.3151, 36.3785, 38.3859

Sweetspot

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



33.1672, 36.3801, 36.7270



62.2740, 66.5327, 70.4779



34.9746, 37.3118, 36.8115



13.6365, 14.5560, 15.4442



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.1672, 36.3801, 36.7270



58.0379, 64.4979, 63.5489



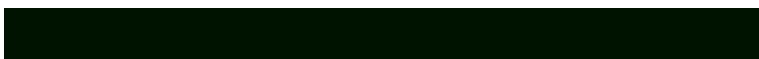
33.5556, 36.5354, 38.7721



7.1670, 7.9822, 7.8325



10.1790, 20.3579, 3.3931



0.2139, 0.4278, 0.0713

Inverse Universe

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



34.1984, 34.4938, 40.4546



60.4240, 60.1332, 72.1744



33.7957, 34.3328, 38.3343



7.4738, 7.4210, 8.9415



16.8765, 8.1067, 27.6042



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 33.1662, 36.3785, 36.7262 looks on a white background.

Color Contrast Check

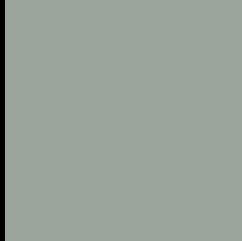
Large Text (above 18pt) WCAG AA × Fail

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 33.1662, 36.3785, 36.7262 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 33.1662, 36.3785, 36.7262

Background



This preview shows how black text looks on a background with the XYZ color 33.1662, 36.3785, 36.7262.



This preview shows how white text looks on a background with the XYZ color 33.1662, 36.3785,

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

33.1662, 36.3785, 36.7262

Protanopia

34.6894, 36.3892, 35.7673

Deuteranopia

37.0509, 36.2859, 37.3988



Tritanopia

34.9563, 36.3067, 45.7229

Trichromacy



Original Color

33.1662, 36.3785, 36.7262

Protanomaly

34.1178, 36.3475, 36.2279

Deuteranomaly

35.4512, 36.2339, 37.0236

Tritanomaly

34.2656, 36.2906, 42.2446

Monochromacy



Original Color

33.1662, 36.3785, 36.7262

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4764, 35.7148, 37.9301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1662, 36.3785, 36.7262 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(156, 165, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 165, 156)  
}
```

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(156, 165, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 165, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.1662, 36.3785, 36.7262 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(156, 165, 156) }
```


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

```
.border{ border-color:rgb(156, 165, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 165, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 165, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 165, 156);  
box-shadow:4px 4px 4px 4px rgb(156, 165,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1662, 36.3785, 36.7262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 165, 156) }
```

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

```
.background{ background-color: rgb(156,  
165, 156) }
```

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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