

Converting Colors

XYZ(33.8997, 33.9235, 35.3604)

Have a look what the booklet for
XYZ(33.8997, 33.9235, 35.3604)
contains.

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Color

**XYZ(33.9659, 33.9903,
35.3424)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9A9A
RGB	170, 154, 154
RGB Percent	67%, 60%, 60%
CMY	0.3333, 0.3961, 0.3961
CMYK	0.00, 0.09, 0.09, 0.33
HSL	0°, 9%, 64%
HSV	0°, 9%, 67%
XYZ	33.9659, 33.9903, 35.3424
YIQ	158.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

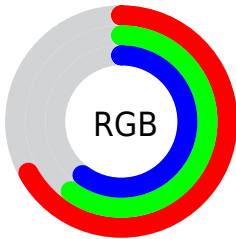
Format	Color
RYB	170, 154, 154
Decimal	11180698
CIELab	64.95, 5.87, 2.13
CIELCh	65, 6.248, 19.916
Yxy	33.9903, 0.3288, 0.3290
Android (android.graphics.Color)	4289370778 (0xFFAA9A9A)
YUV	158.7840, -2.3585, 9.8364
Hunter-Lab	58.3012, 1.9658, 4.8690

Details

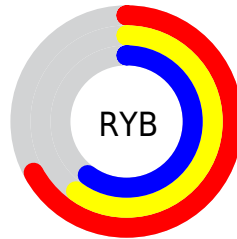
The XYZ color **33.9659, 33.9903, 35.3424** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9568, 38.5212, 43.6236**, and the grayscale version is **32.8641, 34.5756, 37.6529**.

A 20% lighter version of the original color is **64.9924, 65.6734, 68.9253**, and **14.7696, 14.5313, 14.8583** is the 20% darker color. If you saturate the color by 10%, you get **30.0399, 28.2456, 27.5359**, and if you desaturate by 10%, it is **38.4917, 40.6126, 44.3389**.

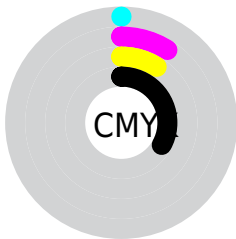
Distribution



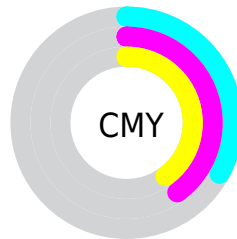
- Red (67%)
- Green (60%)
- Blue (60%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9659, 33.9903, 35.3424 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 33.9659, 33.9903, 35.3424 by changing the saturation by 10% instead.

■ 33.9659, 33.9903,
35.3424

■ 33.9659, 33.9903,
35.3424

311.5686,
320.0888, 341.0272

■ 23.0302, 22.8861,
23.6411

■ 65.2253, 65.9186,
69.1734

■ 14.7366, 14.5095,
14.8579

■ 86.2796, 87.5115,
92.1402

■ 8.7198, 8.4758,
8.5742

111.4376,
113.3695, 119.6993

■ 4.6145, 4.4009,
4.3715

141.0645,
143.8769, 152.2691

■ 2.0553, 1.9003,
1.8313

175.5257,
179.4181, 190.2683

■ 0.6648, 0.5485,
0.4485

215.1865,

■ 0.0000, 0.0000,

220.3776, 234.1153

0.0000

260.4124,
267.1397, 284.2288

■ 33.9659, 33.9903,
35.3424

■ 33.9659, 33.9903,
35.3424

■ 30.0399, 28.2456,
27.5359

■ 38.4917, 40.6126,
44.3389

■ 26.6857, 23.3376,
20.8677

■ 43.6378, 48.1426,
54.5701

■ 23.8775, 19.2285,
15.2852

■ 49.4275, 56.6142,
66.0810

■ 21.5866, 15.8762,
10.7309

■ 55.8819, 66.0584,
78.9135

■ 19.7813, 13.2344,
7.1422

■ 63.0212, 76.5047,
93.1078

■ 18.4266, 11.2521,
4.4495

■ 70.3878, 87.2862,
107.7458

■ 17.4829, 9.8711,
2.5740

■ 16.9037, 9.0234,
1.4230

■ 16.5944, 8.5707,
0.8084

Harmonies

Analogous

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



34.0456, 33.9903, 37.8866



33.9659, 33.9903, 35.3424



33.4371, 33.9903, 33.3360

Triad

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



33.9659, 33.9903, 35.3424



30.9972, 33.9903, 33.9009



32.0039, 33.9903, 42.1215

Complementary

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



33.9659, 33.9903, 35.3424



34.9568, 38.5212, 43.6236

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.



31.2022, 33.9903, 40.9438



33.9659, 33.9903, 35.3424



30.6282, 33.9903, 36.1463

Square

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



33.9659, 33.9903, 35.3424



31.7192, 33.9903, 32.5310



30.7025, 33.9903, 38.7285



32.9015, 33.9903, 41.8816

Rectangle

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



33.9659, 33.9903, 35.3424



32.9063, 33.9903, 32.5355



30.7025, 33.9903, 38.7285



31.7145, 33.9903, 41.8762

Sweetspot

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



33.9669, 33.9918, 35.3431



66.7193, 69.1228, 74.2466



35.3893, 34.5600, 42.8362



14.7314, 15.1991, 16.2644



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.



33.9669, 33.9918, 35.3431



60.2764, 59.6953, 61.4374



35.3311, 36.7203, 35.7979



7.5312, 7.5425, 7.8482



12.1950, 6.2872, 0.5708



0.2967, 0.1530, 0.0139

Inverse Universe

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



34.9568, 38.5212, 43.6236



62.3880, 69.3571, 79.1009



33.5029, 35.6135, 43.1390



7.7475, 8.5318, 9.6568



15.9073, 23.2749, 31.6296



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 33.9659, 33.9903, 35.3424 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 33.9659, 33.9903, 35.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

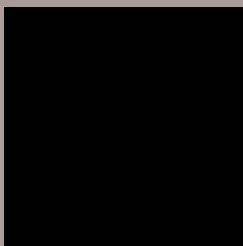
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

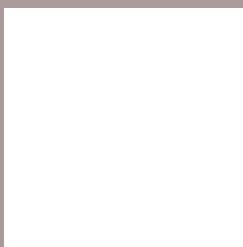
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9659, 33.9903, 35.3424

Background



This preview shows how black text looks on a background with the XYZ color 33.9659, 33.9903, 35.3424.



This preview shows how white text looks on a background with the XYZ color 33.9659, 33.9903,

35.3424.

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

33.9659, 33.9903, 35.3424

Protanopia

32.7557, 34.0913, 36.3064

Deuteranopia

34.5165, 33.7882, 35.2744



Tritanopia

34.7237, 33.7947, 39.8149

Trichromacy



Original Color

33.9659, 33.9903, 35.3424

Protanomaly

33.1147, 34.0360, 35.8346

Deuteranomaly

34.4575, 33.9998, 35.3184

Tritanomaly

34.5310, 33.9785, 37.9962

Monochromacy



Original Color

33.9659, 33.9903, 35.3424

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.2470, 34.3348, 36.7733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9659, 33.9903, 35.3424 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, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(170, 154, 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, 154, 154) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 33.9659, 33.9903, 35.3424 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, 154, 154) }
```


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

```
.border{ border-color:rgb(170, 154, 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, 154, 154)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 33.9659, 33.9903, 35.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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