

Converting Colors

XYZ(33.8405, 34.9990, 44.3377)

Have a look what the booklet for
XYZ(33.8405, 34.9990, 44.3377)
contains.

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Color

**XYZ(33.8456, 34.9815,
44.5034)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9FAD
RGB	157, 159, 173
RGB Percent	62%, 62%, 68%
CMY	0.3843, 0.3765, 0.3216
CMYK	0.09, 0.08, 0.00, 0.32
HSL	232°, 9%, 65%
HSV	232°, 9%, 68%
XYZ	33.8456, 34.9815, 44.5034
YIQ	159.9980, -5.6860, 3.9300

Conversions

Conversions Part 2

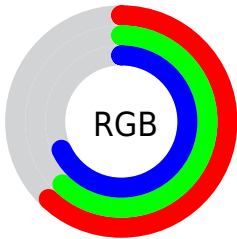
Format	Color
RYB	157, 159, 173
Decimal	10330029
CIELab	65.73, 2.10, -7.50
CIELCh	66, 7.791, 285.600
Yxy	34.9815, 0.2986, 0.3087
Android (android.graphics.Color)	4288520109 (0xFF9D9FAD)
YUV	159.9980, 6.4100, -2.6292
Hunter-Lab	59.1452, -1.3581, -3.2108

Details

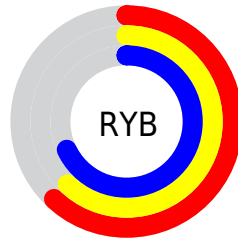
The XYZ color **33.8456, 34.9815, 44.5034** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8824, 40.4441, 37.7089**, and the grayscale version is **33.3868, 35.1255, 38.2517**.

A 20% lighter version of the original color is **65.2015, 67.6916, 83.0281**, and **14.7576, 15.1698, 20.2394** is the 20% darker color. If you saturate the color by 10%, you get **28.2613, 28.4734, 43.5421**, and if you desaturate by 10%, it is **40.2287, 42.3763, 45.5949**.

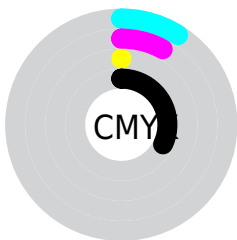
Distribution



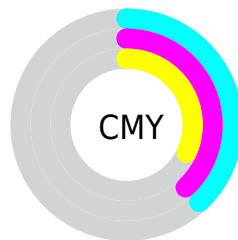
- Red (62%)
- Green (62%)
- Blue (68%)



- Red (62%)
- Yellow (62%)
- Blue (68%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)



- Cyan (38%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8456, 34.9815, 44.5034 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 33.8456, 34.9815, 44.5034 by changing the saturation by 10% instead.

■ 33.8456, 34.9815,
44.5034

■ 33.8456, 34.9815,
44.5034

311.0411,
324.4867, 380.8599

■ 22.9373, 23.6486,
30.7264

■ 65.0394, 67.4571,
83.2852

■ 14.6677, 15.0732,
20.1339

■ 86.0556, 89.3686,
109.1271

■ 8.6713, 8.8708,
12.3073

111.1719,
115.5752, 139.8277

■ 4.5828, 4.6570,
6.8283

140.7535,
146.4611, 175.8055

■ 2.0368, 2.0474,
3.2781

175.1659,
182.4108, 217.4791

■ 0.6545, 0.6348,
1.2383

214.7744,

■ 0.0000, 0.0000,

223.8087, 265.2670

0.0104

259.9443,
271.0392, 319.5877

■ 0.0000, 0.0000,
0.0000

■ 33.8456, 34.9815,
44.5034

■ 33.8456, 34.9815,
44.5034

■ 28.2613, 28.4734,
43.5421

■ 40.2287, 42.3763,
45.5949

■ 23.4411, 22.8145,
42.7038

■ 47.4371, 50.6849,
46.8187

■ 19.3526, 17.9707,
41.9844

■ 55.4999, 59.9387,
48.1799

■ 15.9598, 13.9044,
41.3783

■ 64.4441, 70.1662,
49.6826

■ 13.2234, 10.5748,
40.8799

■ 74.2953, 81.3947,
51.3307

■ 11.1005, 7.9371,
40.4826

■ 82.9110, 92.5334,
53.0265

■ 9.5427, 5.9419,
40.1796

■ 84.5429, 95.7972,
53.5705

■ 8.4944, 4.5329,
39.9629

■ 7.8614, 3.6299,
39.8220

Harmonies

Analogous

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



32.7033, 34.9815, 44.5414



33.8456, 34.9815, 44.5034



34.8499, 34.9815, 42.6822

Triad

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



33.8456, 34.9815, 44.5034



34.8162, 34.9815, 33.7512



31.1577, 34.9815, 36.5393

Complementary

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



33.8456, 34.9815, 44.5034



37.8824, 40.4441, 37.7089

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.



31.6976, 34.9815, 33.8376



33.8456, 34.9815, 44.5034



33.8005, 34.9815, 32.2918

Square

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



33.8456, 34.9815, 44.5034



35.4191, 34.9815, 36.4152



32.6592, 34.9815, 32.3224



31.1692, 34.9815, 39.8132

Rectangle

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



33.8456, 34.9815, 44.5034



35.2984, 34.9815, 40.7587



32.6592, 34.9815, 32.3224



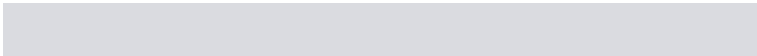
31.2802, 34.9815, 35.5383

Sweetspot

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



33.8466, 34.9830, 44.5042



67.5271, 70.6658, 80.8866



36.1868, 39.9910, 44.2738



14.4766, 15.1274, 17.5446



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.



33.8466, 34.9830, 44.5042



58.5624, 60.2636, 79.3512



34.6774, 34.9042, 44.4452



7.6567, 7.9128, 10.0765



5.7713, 2.6764, 29.2569



0.1853, 0.1240, 0.8222

Inverse Universe

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



35.5494, 35.5022, 37.7815



62.2094, 61.3909, 64.9489



36.9945, 40.5521, 37.7765



8.0445, 8.0311, 8.5452



12.7767, 6.5732, 1.2037



0.3679, 0.1879, 0.0993

Previews

White Background



This preview shows how the XYZ color 33.8456, 34.9815, 44.5034 looks on a white background.

Color Contrast Check

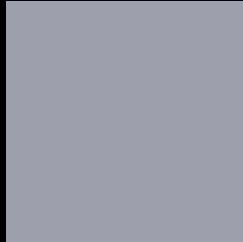
Large Text (above 18pt) WCAG AA × Fail

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 33.8456, 34.9815, 44.5034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

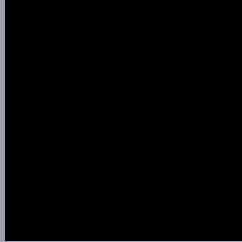
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

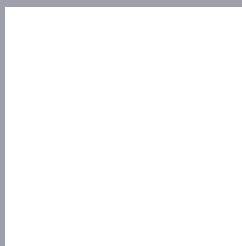
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8456, 34.9815, 44.5034

Background



This preview shows how black text looks on a background with the XYZ color 33.8456, 34.9815, 44.5034.

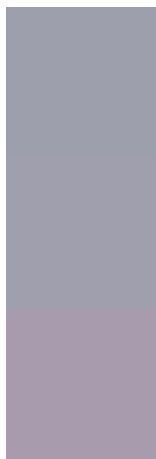


This preview shows how white text looks on a background with the XYZ color 33.8456, 34.9815,

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

33.8456, 34.9815, 44.5034

Protanopia

34.2390, 35.1843, 44.5218

Deuteranopia

35.7235, 34.9337, 44.9044



Tritanopia

33.7492, 34.9429, 43.9956

Trichromacy



Original Color

33.8456, 34.9815, 44.5034

Protanomaly

34.0415, 35.0825, 44.5126

Deuteranomaly

35.0455, 34.8323, 44.9206

Tritanomaly

33.7492, 34.9429, 43.9956

Monochromacy



Original Color

33.8456, 34.9815, 44.5034

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.6604, 35.2292, 40.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8456, 34.9815, 44.5034 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(157, 159, 173)` looks like.

```
.text, #text, p{  
    color:rgb(157, 159, 173)  
}
```

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(157, 159, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 159, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.8456, 34.9815, 44.5034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

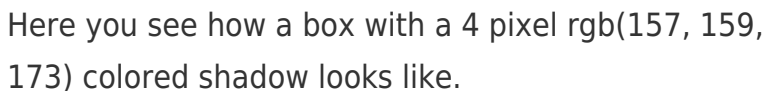
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 159, 173) }
```


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

```
.border{ border-color:rgb(157, 159, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 159, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 159, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 159, 173); box-shadow:4px 4px 4px 4px rgb(157, 159, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8456, 34.9815, 44.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 159, 173) }
```

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

```
.background{ background-color: rgb(157,  
159, 173) }
```

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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