

Converting Colors

XYZ(33.8587, 36.3018, 44.2521)

Have a look what the booklet for
XYZ(33.8587, 36.3018, 44.2521)
contains.

XYZ(33.8587, 36.3018, 44.2521)	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(33.8587, 36.3018,
44.2521)**

Conversions

Conversions Part 1

Format	Color
Hex	99A4AC
RGB	153, 164, 172
RGB Percent	60%, 64%, 67%
CMY	0.4000, 0.3568, 0.3255
CMYK	0.11, 0.05, 0.00, 0.33
HSL	205°, 10%, 64%
HSV	205°, 11%, 67%
XYZ	33.8587, 36.3018, 44.2521
YIQ	161.6230, -9.1240, 0.1560

Conversions

Conversions Part 2

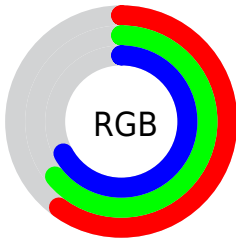
Format	Color
RYB	153, 160, 172
Decimal	10069164
CIELab	66.75, -2.24, -5.47
CIELCh	67, 5.913, 247.771
Yxy	36.3018, 0.2959, 0.3173
Android (android.graphics.Color)	4288259244 (0xFF99A4AC)
YUV	161.6230, 5.1159, -7.5624
Hunter-Lab	60.2510, -5.1292, -1.3706

Details

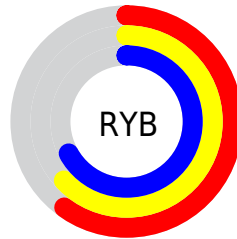
The XYZ color **33.8587, 36.3018, 44.2521** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5080, 36.5600, 35.3229**, and the grayscale version is **34.1472, 35.9255, 39.1229**.

A 20% lighter version of the original color is **64.9288, 69.4745, 82.6608**, and **14.6638, 15.7692, 20.0402** is the 20% darker color. If you saturate the color by 10%, you get **29.5847, 32.2304, 43.6921**, and if you desaturate by 10%, it is **38.6766, 40.7650, 44.8602**.

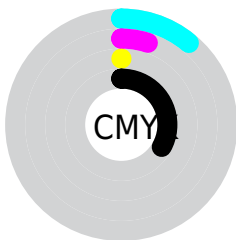
Distribution



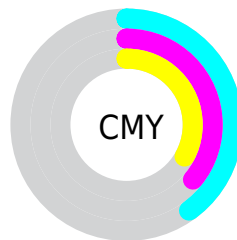
- Red (60%)
- Green (64%)
- Blue (67%)



- Red (60%)
- Yellow (63%)
- Blue (67%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8587, 36.3018, 44.2521 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 33.8587, 36.3018, 44.2521 by changing the saturation by 10% instead.

■ 33.8587, 36.3018,
44.2521

■ 33.8587, 36.3018,
44.2521

311.0986,
330.2777, 379.8075

■ 22.9474, 24.6674,
30.5301

■ 65.0596, 69.4976,
82.9035

■ 14.6752, 15.8294,
19.9858

■ 86.0800, 91.8278,
108.6699

■ 8.6766, 9.4035,
12.2008

111.2008,
118.4921, 139.2883

■ 4.5862, 5.0053,
6.7564

140.7874,
149.8747, 175.1771

■ 2.0388, 2.2504,
3.2341

175.2051,
186.3603, 216.7549

■ 0.6556, 0.7473,
1.2154

214.8193,

■ 0.0000, 0.0000,

228.3330, 264.4401

0.0000

259.9953,
276.1774, 318.6515

■ 33.8587, 36.3018,
44.2521

■ 33.8587, 36.3018,
44.2521

■ 29.5847, 32.2304,
43.6921

■ 38.6766, 40.7650,
44.8602

■ 25.8302, 28.5336,
43.1764

■ 44.0551, 45.6276,
45.5153

■ 22.5737, 25.1993,
42.7045

■ 50.0142, 50.9024,
46.2194

■ 19.7909, 22.2132,
42.2747

■ 56.5717, 56.6004,
46.9736

■ 17.4551, 19.5595,
41.8856

■ 63.7449, 62.7321,
47.7790

■ 15.5367, 17.2210,
41.5354

■ 71.1066, 69.0789,
48.6161

■ 14.0025, 15.1784,
41.2220

■ 72.9061, 72.6777,
49.2159

■ 12.8130, 13.4093,
40.9432

■ 74.7870, 76.4396,
49.8429

■ 11.9657, 12.0171,
40.7191

■ 76.7505, 80.3667,
50.4974

Harmonies

Analogous

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



33.1651, 36.3018, 42.6134



33.8587, 36.3018, 44.2521



34.7363, 36.3018, 44.5981

Triad

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



33.8587, 36.3018, 44.2521



36.2320, 36.3018, 38.8658



33.4634, 36.3018, 35.7679

Complementary

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



33.8587, 36.3018, 44.2521



35.5080, 36.5600, 35.3229

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.



34.2723, 36.3018, 34.8547



33.8587, 36.3018, 44.2521



35.8780, 36.3018, 36.5923

Square

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



33.8587, 36.3018, 44.2521



36.1166, 36.3018, 41.4149



35.1570, 36.3018, 35.1499



32.9397, 36.3018, 37.6964

Rectangle

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



33.8587, 36.3018, 44.2521



35.3094, 36.3018, 44.0360



35.1570, 36.3018, 35.1499



33.7104, 36.3018, 35.3359

Sweetspot

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



33.8598, 36.3033, 44.2529



68.3294, 72.2704, 81.1540



34.3156, 38.8482, 39.3701



14.6947, 15.5635, 17.6172



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.



33.8598, 36.3033, 44.2529



59.6473, 64.1836, 80.0507



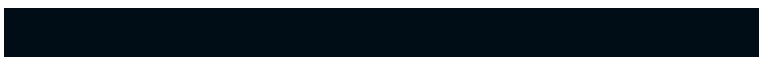
32.2359, 33.0557, 43.7116



7.9495, 8.4985, 10.1741



8.9596, 9.0530, 30.3197



0.3018, 0.3570, 0.8610

Inverse Universe

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



35.1061, 34.2341, 39.8813



62.3298, 59.8033, 70.6256



37.2165, 39.9771, 35.8924



8.1923, 8.0902, 9.3237



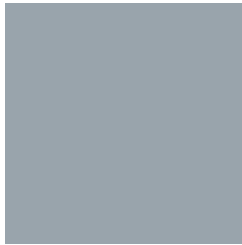
14.3860, 7.2169, 9.6781



0.4267, 0.2114, 0.4090

Previews

White Background



This preview shows how the XYZ color 33.8587, 36.3018, 44.2521 looks on a white background.

Color Contrast Check

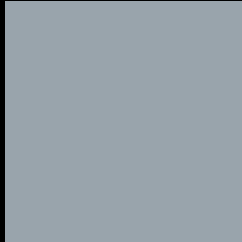
Large Text (above 18pt) WCAG AA × Fail

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 33.8587, 36.3018, 44.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

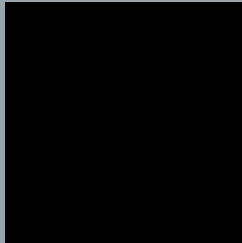
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

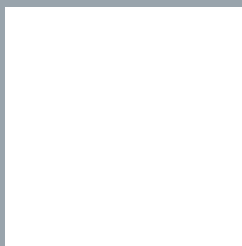
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8587, 36.3018, 44.2521

Background



This preview shows how black text looks on a background with the XYZ color 33.8587, 36.3018, 44.2521.



This preview shows how white text looks on a background with the XYZ color 33.8587, 36.3018,

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

33.8587, 36.3018, 44.2521

Protanopia

35.1048, 36.1785, 43.1631

Deuteranopia

37.0033, 36.3551, 44.6021



Tritanopia

34.2601, 36.1990, 46.2557

Trichromacy



Original Color

33.8587, 36.3018, 44.2521

Protanomaly

34.5691, 36.1519, 43.6841

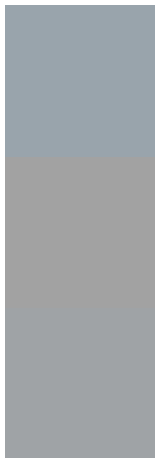
Deuteranomaly

35.8395, 36.2657, 44.6462

Tritanomaly

34.1615, 36.1596, 45.7364

Monochromacy



Original Color

33.8587, 36.3018, 44.2521

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.2782, 36.3185, 41.2799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8587, 36.3018, 44.2521 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(153, 164, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 164, 172)  
}
```

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(153, 164, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 164, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.8587, 36.3018, 44.2521 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(153, 164, 172) }
```


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

```
.border{ border-color:rgb(153, 164, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 164, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 164, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 164, 172); box-shadow:4px 4px 4px 4px rgb(153, 164, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8587, 36.3018, 44.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 164, 172) }
```

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

```
.background{ background-color: rgb(153,  
164, 172) }
```

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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