

Converting Colors

XYZ(33.8406, 36.8218, 49.3475)

Have a look what the booklet for
XYZ(33.8406, 36.8218, 49.3475)
contains.

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Color

**XYZ(33.7568, 36.6696,
49.5547)**

Conversions

Conversions Part 1

Format	Color
Hex	91A6B6
RGB	145, 166, 182
RGB Percent	57%, 65%, 71%
CMY	0.4314, 0.3490, 0.2863
CMYK	0.20, 0.09, 0.00, 0.29
HSL	206°, 20%, 64%
HSV	206°, 20%, 71%
XYZ	33.7568, 36.6696, 49.5547
YIQ	161.5450, -17.6520, 0.5240

Conversions

Conversions Part 2

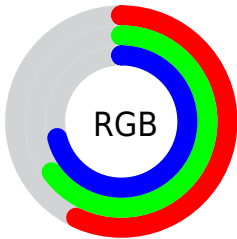
Format	Color
RYB	145, 158, 182
Decimal	9545398
CIELab	67.03, -3.79, -10.69
CIElCh	67, 11.342, 250.460
Yxy	36.6696, 0.2814, 0.3056
Android (android.graphics.Color)	4287735478 (0xFF91A6B6)
YUV	161.5450, 10.0843, -14.5100
Hunter-Lab	60.5554, -6.4667, -6.1304

Details

The XYZ color **33.7568, 36.6696, 49.5547** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1475, 37.4792, 32.0653**, and the grayscale version is **34.0912, 35.8666, 39.0588**.

A 20% lighter version of the original color is **64.8423, 70.0281, 90.9881**, and **14.5959, 15.9993, 23.0878** is the 20% darker color. If you saturate the color by 10%, you get **29.4163, 32.3738, 48.9549**, and if you desaturate by 10%, it is **38.7008, 41.4083, 50.2094**.

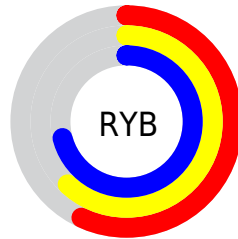
Distribution



Red (57%)

Green (65%)

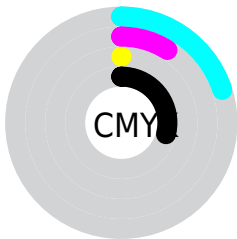
Blue (71%)



Red (57%)

Yellow (62%)

Blue (71%)

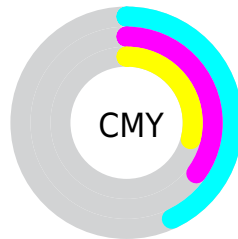


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7568, 36.6696, 49.5547 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 33.7568, 36.6696, 49.5547 by changing the saturation by 10% instead.

■ 33.7568, 36.6696,
49.5547

■ 33.7568, 36.6696,
49.5547

310.6513,
331.8779, 401.6071

■ 22.8688, 24.9518,
34.6910

■ 64.9021, 70.0643,
90.9042

■ 14.6168, 16.0411,
23.1433

■ 85.8901, 92.5100,
118.2272

■ 8.6355, 9.5533,
14.4931

110.9756,
119.3005, 150.5403

■ 4.5594, 5.1038,
8.3217

140.5238,
150.8201, 188.2621

■ 2.0232, 2.3083,
4.2108

174.9001,
187.4532, 231.8111

■ 0.6469, 0.7781,
1.7417

214.4699,

■ 0.0000, 0.0000,

229.5843, 281.6059

0.3891

259.5985,
277.5977, 338.0651

■ 0.0000, 0.0000,
0.0000

■ 33.7568, 36.6696,
49.5547

■ 33.7568, 36.6696,
49.5547

■ 29.4163, 32.3738,
48.9549

■ 38.7008, 41.4083,
50.2094

■ 25.6501, 28.5008,
48.4058

■ 44.2694, 46.6003,
50.9180

■ 22.4312, 25.0352,
47.9066

■ 50.4864, 52.2610,
51.6830

■ 19.7292, 21.9589,
47.4552

■ 57.3737, 58.4037,
52.5057

■ 17.5101, 19.2520,
47.0497

■ 64.9518, 65.0411,
53.3874

■ 15.7358, 16.8921,
46.6877

■ 73.2404, 72.1856,
54.3296

■ 14.3612, 14.8533,
46.3666

■ 75.5635, 76.3973,
55.0201

■ 13.3245, 13.1393,
46.0904

■ 77.6914, 80.6529,
55.7293

■ 79.9179, 85.1060,
56.4715

Harmonies

Analogous

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



32.3925, 36.6696, 46.4072



33.7568, 36.6696, 49.5547



35.4584, 36.6696, 50.0051

Triad

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



33.7568, 36.6696, 49.5547



38.2145, 36.6696, 38.2287



32.7470, 36.6696, 33.1330

Complementary

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



33.7568, 36.6696, 49.5547



37.1475, 37.4792, 32.0653

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.



34.2552, 36.6696, 31.3030



33.7568, 36.6696, 49.5547



37.4358, 36.6696, 34.0799

Square

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



33.7568, 36.6696, 49.5547



38.0703, 36.6696, 43.1858



35.9734, 36.6696, 31.6347



31.8229, 36.6696, 36.8363

Rectangle

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



33.7568, 36.6696, 49.5547



36.5603, 36.6696, 48.6784



35.9734, 36.6696, 31.6347



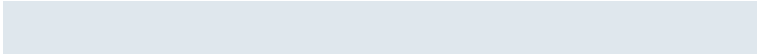
33.2004, 36.6696, 32.2928

Sweetspot

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



33.7579, 36.6711, 49.5555



74.2903, 78.9492, 91.5589



34.7874, 42.0290, 39.7288



16.2658, 17.3040, 20.2043



88.6918, 93.3107, 101.6153



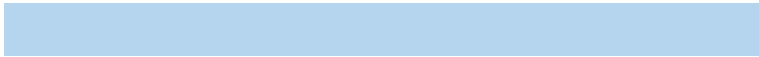
17.8044, 18.7317, 20.3988

Same Dimension

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



33.7579, 36.6711, 49.5555



57.8638, 63.2124, 89.3872



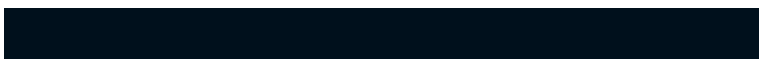
30.7243, 30.6040, 48.5443



8.9327, 9.5427, 11.4505



9.4766, 9.4128, 32.5705



0.3943, 0.4523, 1.1683

Inverse Universe

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



36.3006, 32.9500, 40.5248



63.2957, 55.5482, 70.0314



40.5063, 44.1969, 33.1849



9.2124, 9.0953, 10.4658



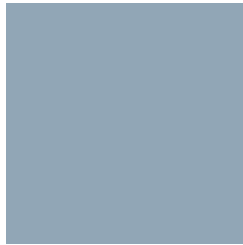
15.3970, 7.7326, 9.9774



0.5732, 0.2848, 0.5119

Previews

White Background



This preview shows how the XYZ color 33.7568, 36.6696, 49.5547 looks on a white background.

Color Contrast Check

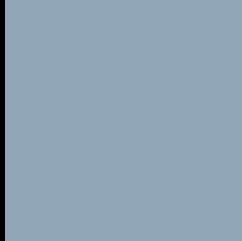
Large Text (above 18pt) WCAG AA × Fail

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 33.7568, 36.6696, 49.5547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

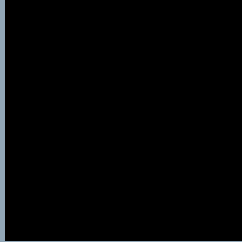
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

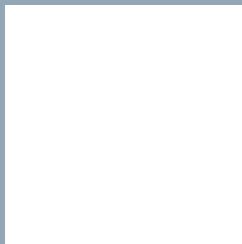
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7568, 36.6696, 49.5547

Background



This preview shows how black text looks on a background with the XYZ color 33.7568, 36.6696, 49.5547.



This preview shows how white text looks on a background with the XYZ color 33.7568, 36.6696,

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

33.7568, 36.6696, 49.5547

Protanopia

35.7550, 36.6724, 47.8418

Deuteranopia

37.4121, 36.6920, 50.4578



Tritanopia

33.5515, 36.5875, 48.4738

Trichromacy



Original Color

33.7568, 36.6696, 49.5547

Protanomaly

34.8530, 36.4582, 48.3802

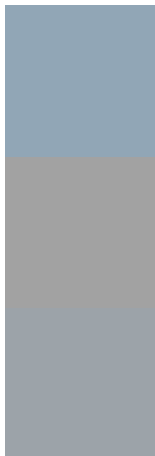
Deuteranomaly

35.9648, 36.7331, 49.9944

Tritanomaly

33.6538, 36.6284, 49.0123

Monochromacy



Original Color

33.7568, 36.6696, 49.5547

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9689, 36.1269, 42.7189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7568, 36.6696, 49.5547 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(145, 166, 182)` looks like.

```
.text, #text, p{  
    color:rgb(145, 166, 182)  
}
```

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(145, 166, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 166, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.7568, 36.6696, 49.5547 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(145, 166, 182) }
```


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

```
.border{ border-color:rgb(145, 166, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 166, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 166, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 166, 182); box-shadow:4px 4px 4px 4px rgb(145, 166, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7568, 36.6696, 49.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 166, 182) }
```

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

```
.background{ background-color: rgb(145,  
166, 182) }
```

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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