

Converting Colors

XYZ(33.9849, 36.5967, 49.7376)

Have a look what the booklet for
XYZ(33.9849, 36.5967, 49.7376)
contains.

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Color

**XYZ(33.9313, 36.4907,
49.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	93A5B6
RGB	147, 165, 182
RGB Percent	58%, 65%, 71%
CMY	0.4235, 0.3529, 0.2863
CMYK	0.19, 0.09, 0.00, 0.29
HSL	209°, 19%, 65%
HSV	209°, 19%, 71%
XYZ	33.9313, 36.4907, 49.5110
YIQ	161.5560, -16.1850, 1.4710

Conversions

Conversions Part 2

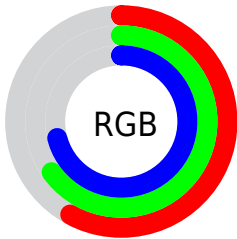
Format	Color
RYB	147, 159, 182
Decimal	9676214
CIELab	66.89, -2.60, -10.88
CIElCh	67, 11.183, 256.549
Yxy	36.4907, 0.2829, 0.3043
Android (android.graphics.Color)	4287866294 (0xFF93A5B6)
YUV	161.5560, 10.0789, -12.7656
Hunter-Lab	60.4075, -5.4486, -6.3098

Details

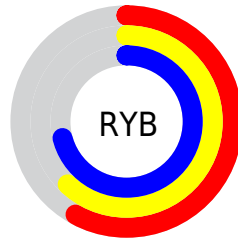
The XYZ color **33.9313, 36.4907, 49.5110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8338, 38.6028, 33.0618**, and the grayscale version is **34.0959, 35.8715, 39.0641**.

A 20% lighter version of the original color is **65.1132, 69.7770, 90.9254**, and **14.6914, 15.8820, 23.0601** is the 20% darker color. If you saturate the color by 10%, you get **29.3829, 31.8612, 48.8577**, and if you desaturate by 10%, it is **39.1085, 41.6098, 50.2268**.

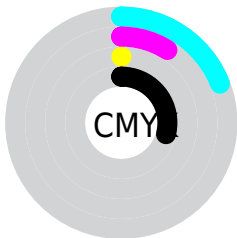
Distribution



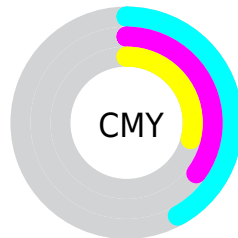
- Red (58%)
- Green (65%)
- Blue (71%)



- Red (58%)
- Yellow (62%)
- Blue (71%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)



- Cyan (42%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9313, 36.4907, 49.5110 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 33.9313, 36.4907, 49.5110 by changing the saturation by 10% instead.

■ 33.9313, 36.4907,
49.5110

■ 33.9313, 36.4907,
49.5110

311.4169,
331.1002, 401.4307

■ 23.0035, 24.8134,
34.6566

■ 65.1718, 69.7888,
90.8388

■ 14.7168, 15.9381,
23.1170

■ 86.2152, 92.1784,
118.1492

■ 8.7059, 9.4804,
14.4738

111.3612,
118.9075, 150.4486

■ 4.6054, 5.0558,
8.3084

140.9751,
150.3606, 188.1557

■ 2.0500, 2.2800,
4.2023

175.4222,
186.9220, 231.6889

■ 0.6618, 0.7631,
1.7370

215.0680,

■ 0.0000, 0.0000,

228.9761, 281.4667

0.3859

260.2778,
276.9074, 337.9078

■ 0.0000, 0.0000,
0.0000

■ 33.9313, 36.4907,
49.5110

■ 33.9313, 36.4907,
49.5110

■ 29.3829, 31.8612,
48.8577

■ 39.1085, 41.6098,
50.2268

■ 25.4335, 27.6999,
48.2627

■ 44.9359, 47.2300,
51.0045

■ 22.0559, 23.9902,
47.7247

■ 51.4380, 53.3679,
51.8465

■ 19.2189, 20.7128,
47.2416

■ 58.6369, 60.0379,
52.7545

■ 16.8886, 17.8463,
46.8111

■ 66.5538, 67.2538,
53.7301

■ 15.0263, 15.3671,
46.4307

■ 74.7650, 74.8002,
54.7539

■ 13.5872, 13.2482,
46.0976

■ 77.1192, 79.5087,
55.5386

■ 12.4897, 11.4436,
45.8071

■ 79.5976, 84.4654,
56.3648

■ 12.4117, 11.3136,
45.7861

■ 82.2018, 89.6739,
57.2328

Harmonies

Analogous

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



32.4915, 36.4907, 46.8951



33.9313, 36.4907, 49.5110



35.6192, 36.4907, 49.3600

Triad

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



33.9313, 36.4907, 49.5110



37.8997, 36.4907, 37.1343



32.3724, 36.4907, 33.6568

Complementary

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



33.9313, 36.4907, 49.5110



37.8338, 38.6028, 33.0618

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.



33.7639, 36.4907, 31.4455



33.9313, 36.4907, 49.5110



36.9716, 36.4907, 33.3385

Square

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



33.9313, 36.4907, 49.5110



37.9480, 36.4907, 41.9414



35.4464, 36.4907, 31.3340



31.6114, 36.4907, 37.6019

Rectangle

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



33.9313, 36.4907, 49.5110



36.6591, 36.4907, 47.7057



35.4464, 36.4907, 31.3340



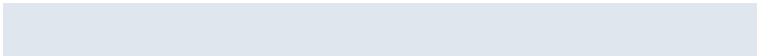
32.7798, 36.4907, 32.7006

Sweetspot

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



33.9324, 36.4922, 49.5118



74.0786, 78.5256, 91.4883



35.4547, 42.3370, 41.3865



16.2143, 17.2010, 20.1871



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.



33.9324, 36.4922, 49.5118



57.9525, 62.5617, 89.2569



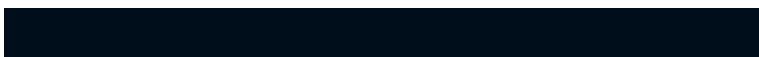
31.0017, 30.6308, 48.5349



8.8928, 9.4628, 11.4372



8.8317, 8.1231, 32.3555



0.3730, 0.4098, 1.1612

Inverse Universe

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



36.5176, 33.5301, 40.1462



63.5426, 56.4209, 68.9458



41.1673, 45.2698, 34.1729



9.1922, 9.0873, 10.3597



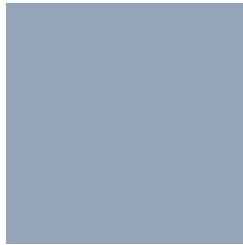
15.0715, 7.6024, 8.2634



0.5625, 0.2805, 0.4553

Previews

White Background



This preview shows how the XYZ color 33.9313, 36.4907, 49.5110 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 33.9313, 36.4907, 49.5110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

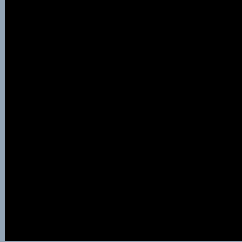
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

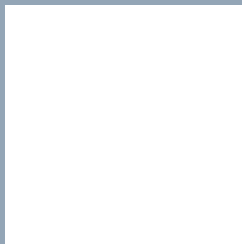
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9313, 36.4907, 49.5110

Background



This preview shows how black text looks on a background with the XYZ color 33.9313, 36.4907, 49.5110.



This preview shows how white text looks on a background with the XYZ color 33.9313, 36.4907,

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

33.9313, 36.4907, 49.5110

Protanopia

35.4803, 36.2586, 48.3086

Deuteranopia

37.1363, 36.3076, 49.8505



Tritanopia

33.6270, 36.6381, 47.9474

Trichromacy



Original Color

33.9313, 36.4907, 49.5110

Protanomaly

34.7784, 36.1454, 48.8598

Deuteranomaly

35.9901, 36.4857, 49.9453

Tritanomaly

33.7285, 36.6787, 48.4820

Monochromacy



Original Color

33.9313, 36.4907, 49.5110

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1633, 36.2271, 42.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9313, 36.4907, 49.5110 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(147, 165, 182)` looks like.

```
.text, #text, p{  
    color:rgb(147, 165, 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(147, 165, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 165, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.9313, 36.4907, 49.5110 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(147, 165, 182) }
```


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

```
.border{ border-color:rgb(147, 165, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 165, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 165, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 165, 182);  
box-shadow:4px 4px 4px 4px rgb(147, 165,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9313, 36.4907, 49.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 165, 182) }
```

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

```
.background{ background-color: rgb(147,  
165, 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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