

Converting Colors

XYZ(33.4697, 33.9294, 49.0374)

Have a look what the booklet for
XYZ(33.4697, 33.9294, 49.0374)
contains.

XYZ(33.4688, 33.9266, 49.0405)	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(33.4688, 33.9266,
49.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	999CB6
RGB	153, 156, 182
RGB Percent	60%, 61%, 71%
CMY	0.4000, 0.3882, 0.2863
CMYK	0.16, 0.14, 0.00, 0.29
HSL	234°, 17%, 66%
HSV	234°, 16%, 71%
XYZ	33.4688, 33.9266, 49.0405
YIQ	158.0670, -10.1340, 7.4500

Conversions

Conversions Part 2

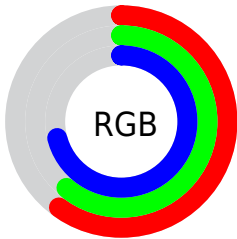
Format	Color
R_{YB}	153, 156, 182
Decimal	10067126
CIE _{Lab}	64.90, 4.35, -13.82
CIE _{LCh}	65, 14.486, 287.486
Yxy	33.9266, 0.2874, 0.2914
Android (android.graphics.Color)	4288257206 (0xFF999CB6)
YUV	158.0670, 11.7990, -4.4438
Hunter-Lab	58.2465, 0.6357, -9.1465

Details

The XYZ color **33.4688, 33.9266, 49.0405** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.1615, 44.4851, 36.5547**, and the grayscale version is **32.4820, 34.1736, 37.2151**.

A 20% lighter version of the original color is **64.4916, 65.6761, 90.1666**, and **14.4935, 14.5129, 22.8063** is the 20% darker color. If you saturate the color by 10%, you get **27.7358, 27.1768, 48.0404**, and if you desaturate by 10%, it is **40.0956, 41.6849, 50.1893**.

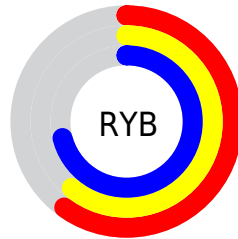
Distribution



Red (60%)

Green (61%)

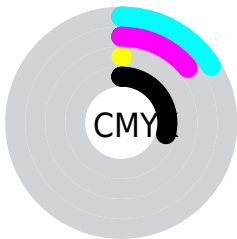
Blue (71%)



Red (60%)

Yellow (61%)

Blue (71%)

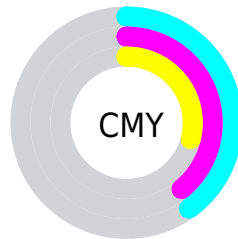


Cyan (16%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (40%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4688, 33.9266, 49.0405 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 33.4688, 33.9266, 49.0405 by changing the saturation by 10% instead.

■ 33.4688, 33.9266,
49.0405

■ 33.4688, 33.9266,
49.0405

309.3847,
319.8046, 399.5288

■ 22.6468, 22.8372,
34.2858

■ 64.4565, 65.8195,
90.1332

■ 14.4522, 14.4734,
22.8341

■ 85.3530, 87.3918,
117.3083

■ 8.5196, 8.4506,
14.2669

110.3382,
113.2272, 149.4606

■ 4.4838, 4.3846,
8.1657

139.7777,
143.7102, 187.0086

■ 1.9793, 1.8910,
4.1118

174.0367,
179.2250, 230.3709

■ 0.6223, 0.5429,
1.6869

213.4807,

■ 0.0000, 0.0000,

220.1560, 279.9660

0.3517

258.4749,
266.8878, 336.2124

■ 0.0000, 0.0000,
0.0000

■ 33.4688, 33.9266,
49.0405

■ 33.4688, 33.9266,
49.0405

■ 27.7358, 27.1768,
48.0404

■ 40.0956, 41.6849,
50.1893

■ 22.8554, 21.3900,
47.1806

■ 47.6491, 50.4864,
51.4900

■ 18.7875, 16.5234,
46.4557

■ 56.1641, 60.3694,
52.9488

■ 15.4877, 12.5293,
45.8587

■ 65.6729, 71.3688,
54.5708

■ 12.9074, 9.3558,
45.3821

■ 76.2062, 83.5182,
56.3607

■ 10.9922, 6.9454,
45.0178

■ 85.0938, 95.4579,
58.1968

■ 9.6800, 5.2329,
44.7564

■ 85.4436, 96.1574,
58.3134

■ 8.8941, 4.1409,
44.5871

■ 8.6738, 3.8378,
44.5402

Harmonies

Analogous

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



31.3833, 33.9266, 49.3533



33.4688, 33.9266, 49.0405



35.3000, 33.9266, 45.2762

Triad

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



33.4688, 33.9266, 49.0405



35.0388, 33.9266, 29.0899



28.4801, 33.9266, 34.5022

Complementary

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



33.4688, 33.9266, 49.0405



41.1615, 44.4851, 36.5547

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.



29.3739, 33.9266, 29.6960



33.4688, 33.9266, 49.0405



33.1248, 33.9266, 26.8055

Square

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



33.4688, 33.9266, 49.0405



36.2329, 33.9266, 33.5890



31.0538, 33.9266, 27.0147



28.5632, 33.9266, 40.5074

Rectangle

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



33.4688, 33.9266, 49.0405



36.1028, 33.9266, 41.5247



31.0538, 33.9266, 27.0147



28.6746, 33.9266, 32.7064

Sweetspot

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



33.4698, 33.9280, 49.0413



73.7886, 76.8537, 91.1809



37.9634, 43.4680, 48.8347



16.0976, 16.7410, 20.1045



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.



33.4698, 33.9280, 49.0413



56.9802, 57.1632, 88.2661



35.1693, 34.0655, 48.9782



8.5939, 8.8651, 11.3376



6.1495, 2.7587, 31.4614



0.2417, 0.1471, 1.1174

Inverse Universe

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



36.6842, 35.1286, 36.3011



63.8950, 59.7898, 60.8496



39.2475, 44.4013, 36.6394



9.0414, 9.0269, 9.5654



13.7177, 7.0608, 1.1341



0.4962, 0.2539, 0.1062

Previews

White Background



This preview shows how the XYZ color 33.4688, 33.9266, 49.0405 looks on a white background.

Color Contrast Check

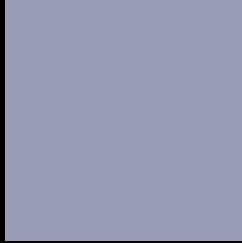
Large Text (above 18pt) WCAG AA × Fail

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 33.4688, 33.9266, 49.0405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

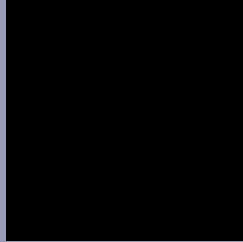
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4688, 33.9266, 49.0405

Background



This preview shows how black text looks on a background with the XYZ color 33.4688, 33.9266, 49.0405.



This preview shows how white text looks on a background with the XYZ color 33.4688, 33.9266,

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

33.4688, 33.9266, 49.0405

Protanopia

33.4688, 33.9266, 49.0405

Deuteranopia

34.8008, 34.1072, 49.5489



Tritanopia

32.2451, 33.9353, 42.8809

Trichromacy



Original Color

33.4688, 33.9266, 49.0405

Protanomaly

33.4688, 33.9266, 49.0405

Deuteranomaly

34.3691, 34.1307, 49.5762

Tritanomaly

32.6458, 33.8453, 44.8566

Monochromacy



Original Color

33.4688, 33.9266, 49.0405

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7423, 33.9719, 41.3907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4688, 33.9266, 49.0405 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, 156, 182)` looks like.

```
.text, #text, p{  
    color:rgb(153, 156, 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(153, 156, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 156, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.4688, 33.9266, 49.0405 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, 156, 182) }
```


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

```
.border{ border-color:rgb(153, 156, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 156, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 156, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 156, 182);  
box-shadow:4px 4px 4px 4px rgb(153, 156,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4688, 33.9266, 49.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 156, 182) }
```

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

```
.background{ background-color: rgb(153,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor