

Converting Colors

XYZ(33.0311, 33.4409, 49.5136)

Have a look what the booklet for
XYZ(33.0311, 33.4409, 49.5136)
contains.

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Color

**XYZ(33.0311, 33.4409,
49.5136)**

Conversions

Conversions Part 1

Format	Color
Hex	979BB7
RGB	151, 155, 183
RGB Percent	59%, 61%, 72%
CMY	0.4078, 0.3921, 0.2823
CMYK	0.17, 0.15, 0.00, 0.28
HSL	232°, 18%, 65%
HSV	232°, 17%, 72%
XYZ	33.0311, 33.4409, 49.5136
YIQ	156.9960, -11.3720, 7.8600

Conversions

Conversions Part 2

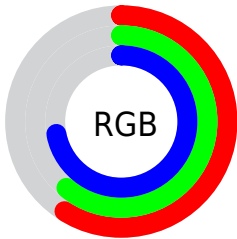
Format	Color
RYB	151, 155, 183
Decimal	9935799
CIELab	64.52, 4.48, -14.98
CIElCh	65, 15.632, 286.649
Yxy	33.4409, 0.2848, 0.2883
Android (android.graphics.Color)	4288125879 (0xFF979BB7)
YUV	156.9960, 12.8200, -5.2585
Hunter-Lab	57.8281, 0.7590, -10.2856

Details

The XYZ color **33.0311, 33.4409, 49.5136** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.2348, 44.5418, 35.7031**, and the grayscale version is **31.9947, 33.6609, 36.6567**.

A 20% lighter version of the original color is **63.5573, 64.8121, 90.8215**, and **14.2351, 14.2217, 23.1139** is the 20% darker color. If you saturate the color by 10%, you get **27.4046, 26.8441, 48.5374**, and if you desaturate by 10%, it is **39.5402, 41.0189, 50.6338**.

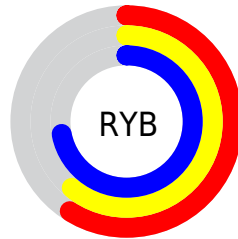
Distribution



Red (59%)

Green (61%)

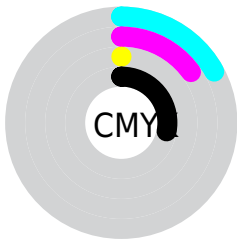
Blue (72%)



Red (59%)

Yellow (61%)

Blue (72%)

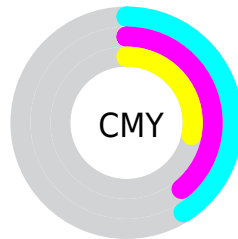


Cyan (17%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (41%)

Magenta (39%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0311, 33.4409, 49.5136 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 33.0311, 33.4409, 49.5136 by changing the saturation by 10% instead.

■ 33.0311, 33.4409,
49.5136

■ 33.0311, 33.4409,
49.5136

307.4524,
317.6318, 401.4412

■ 22.3096, 22.4644,
34.6586

■ 63.7784, 65.0633,
90.8427

■ 14.2025, 14.1985,
23.1186

■ 84.5350, 86.4780,
118.1538

■ 8.3443, 8.2589,
14.4750

109.3673,
112.1408, 150.4541

■ 4.3697, 4.2610,
8.3092

138.6407,
142.4363, 188.1620

■ 1.9133, 1.8206,
4.2029

172.7206,
177.7487, 231.6961

■ 0.5846, 0.5000,
1.7373

211.9722,

■ 0.0000, 0.0000,

218.4625, 281.4750

0.3861

256.7610,
264.9621, 337.9172

■ 0.0000, 0.0000,
0.0000

■ 33.0311, 33.4409,
49.5136

■ 33.0311, 33.4409,
49.5136

■ 27.4046, 26.8441,
48.5374

■ 39.5402, 41.0189,
50.6338

■ 22.6197, 21.1843,
47.6971

■ 46.9645, 49.6118,
51.9011

■ 18.6363, 16.4201,
46.9875

■ 55.3388, 59.2568,
53.3214

■ 15.4104, 12.5051,
46.4018

■ 64.6951, 69.9877,
54.8995

■ 12.8932, 9.3889,
45.9330

■ 75.0640, 81.8372,
56.6402

■ 11.0304, 7.0156,
45.5731

■ 84.3074, 93.7191,
58.4464

■ 9.7595, 5.3220,
45.3132

■ 85.5474, 96.1989,
58.8598

■ 8.9948, 4.2284,
45.1424

■ 8.8515, 4.0272,
45.1111

Harmonies

Analogous

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



30.8031, 33.4409, 49.7389



33.0311, 33.4409, 49.5136



35.0112, 33.4409, 45.5249

Triad

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



33.0311, 33.4409, 49.5136



34.8251, 33.4409, 28.1793



27.7861, 33.4409, 33.6443

Complementary

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



33.0311, 33.4409, 49.5136



41.2348, 44.5418, 35.7031

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.



28.7626, 33.4409, 28.6034



33.0311, 33.4409, 49.5136



32.7867, 33.4409, 25.7066

Square

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



33.0311, 33.4409, 49.5136



36.0797, 33.4409, 32.9997



30.5698, 33.4409, 25.8522



27.8446, 33.4409, 40.0507

Rectangle

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



33.0311, 33.4409, 49.5136



35.8931, 33.4409, 41.5078



30.5698, 33.4409, 25.8522



28.0021, 33.4409, 31.7503

Sweetspot

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



33.0321, 33.4423, 49.5144



73.8583, 76.9931, 91.2041



37.8064, 43.6908, 48.9477



16.1149, 16.7758, 20.1103



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.



33.0321, 33.4423, 49.5144



55.0845, 55.1272, 87.9731



34.6643, 33.3114, 49.4031



8.6092, 8.8957, 11.3427



6.2033, 2.8663, 31.4794



0.2483, 0.1602, 1.1196

Inverse Universe

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



36.5123, 34.5679, 35.7597



62.5096, 57.5951, 58.6121



39.3728, 44.7899, 35.8491



9.0491, 9.0300, 9.6060



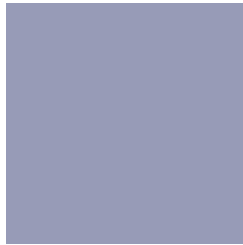
13.7448, 7.0717, 1.2771



0.4995, 0.2553, 0.1237

Previews

White Background



This preview shows how the XYZ color 33.0311, 33.4409, 49.5136 looks on a white background.

Color Contrast Check

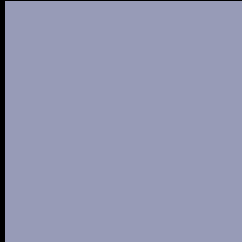
Large Text (above 18pt) WCAG AA × Fail

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 33.0311, 33.4409, 49.5136 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 33.0311, 33.4409, 49.5136

Background



This preview shows how black text looks on a background with the XYZ color 33.0311, 33.4409, 49.5136.



This preview shows how white text looks on a background with the XYZ color 33.0311, 33.4409,

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

33.0311, 33.4409, 49.5136

Protanopia

33.0311, 33.4409, 49.5136

Deuteranopia

34.0390, 33.4705, 49.4661



Tritanopia

31.7071, 33.4058, 42.8070

Trichromacy



Original Color

33.0311, 33.4409, 49.5136

Protanomaly

33.0311, 33.4409, 49.5136

Deuteranomaly

33.6204, 33.4987, 49.4936

Tritanomaly

32.2040, 33.3561, 45.2985

Monochromacy



Original Color

33.0311, 33.4409, 49.5136

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2890, 33.4987, 40.8405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0311, 33.4409, 49.5136 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(151, 155, 183)` looks like.

```
.text, #text, p{  
    color:rgb(151, 155, 183)  
}
```

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(151, 155, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 155, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.0311, 33.4409, 49.5136 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(151, 155, 183) }
```


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

```
.border{ border-color:rgb(151, 155, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 155, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 155, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 155, 183);  
box-shadow:4px 4px 4px 4px rgb(151, 155,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0311, 33.4409, 49.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 155, 183) }
```

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

```
.background{ background-color: rgb(151,  
155, 183) }
```

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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