

Converting Colors

XYZ(33.6105, 33.1155, 50.0213)

Have a look what the booklet for
XYZ(33.6105, 33.1155, 50.0213)
contains.

XYZ(33.7533, 33.3111, 49.9981)	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(33.7533, 33.3111,
49.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	9C99B8
RGB	156, 153, 184
RGB Percent	61%, 60%, 72%
CMY	0.3882, 0.4000, 0.2784
CMYK	0.15, 0.17, 0.00, 0.28
HSL	246°, 18%, 66%
HSV	246°, 17%, 72%
XYZ	33.7533, 33.3111, 49.9981
YIQ	157.4310, -8.1630, 10.2770

Conversions

Conversions Part 2

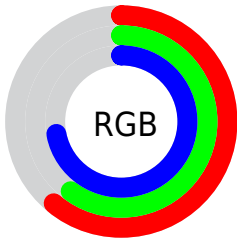
Format	Color
R_{YB}	156, 153, 184
Decimal	10262968
CIE _{Lab}	64.41, 7.47, -15.66
CIE _{LCh}	64, 17.348, 295.512
Yxy	33.3111, 0.2883, 0.2846
Android (android.graphics.Color)	4288453048 (0xFF9C99B8)
YUV	157.4310, 13.0985, -1.2550
Hunter-Lab	57.7158, 3.3877, -10.9608

Details

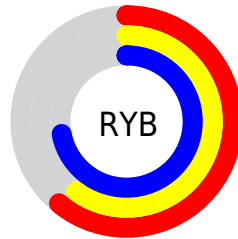
The XYZ color **33.7533, 33.3111, 49.9981** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.9474, 46.4055, 36.8848**, and the grayscale version is **32.1883, 33.8645, 36.8785**.

A 20% lighter version of the original color is **64.9050, 64.7658, 91.5183**, and **14.5570, 14.0845, 23.4241** is the 20% darker color. If you saturate the color by 10%, you get **27.9719, 26.2001, 48.9308**, and if you desaturate by 10%, it is **40.4413, 41.5805, 51.2423**.

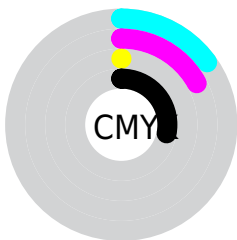
Distribution



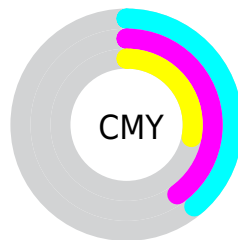
- Red (61%)
- Green (60%)
- Blue (72%)



- Red (61%)
- Yellow (60%)
- Blue (72%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)



- Cyan (39%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7533, 33.3111, 49.9981 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 33.7533, 33.3111, 49.9981 by changing the saturation by 10% instead.

■ 33.7533, 33.3111,
49.9981

■ 33.7533, 33.3111,
49.9981

310.6359,
317.0492, 403.3934

■ 22.8661, 22.3649,
35.0407

■ 64.8967, 64.8609,
91.5683

■ 14.6148, 14.1252,
23.4104

■ 85.8836, 86.2333,
119.0183

■ 8.6341, 8.2078,
14.6887

110.9678,
111.8499, 151.4695

■ 4.5585, 4.2282,
8.4570

140.5147,
142.0950, 189.3405

■ 2.0227, 1.8020,
4.2968

174.8896,
177.3532, 233.0498

■ 0.6467, 0.4884,
1.7895

214.4579,

■ 0.0000, 0.0000,

218.0086, 283.0161

0.4210

259.5849,
264.4459, 339.6577

■ 0.0000, 0.0000,
0.0000

■ 33.7533, 33.3111,
49.9981

■ 33.7533, 33.3111,
49.9981

■ 27.9719, 26.2001,
48.9308

■ 40.4413, 41.5805,
51.2423

■ 23.0550, 20.1918,
48.0302

■ 48.0693, 51.0525,
52.6685

■ 18.9618, 15.2322,
47.2886

■ 56.6729, 61.7741,
54.2846

■ 15.6470, 11.2608,
46.6968

■ 66.2851, 73.7885,
56.0969

■ 13.0609, 8.2111,
46.2445

■ 76.9369, 87.1367,
58.1120

■ 11.1479, 6.0086,
45.9202

■ 85.6518, 96.2407,
59.4099

■ 9.8446, 4.5667,
45.7105

■ 9.0691, 3.7693,
45.5975

■ 8.8975, 3.5874,
45.5714

Harmonies

Analogous

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



31.2906, 33.3111, 51.6078



33.7533, 33.3111, 49.9981



35.7437, 33.3111, 44.5389

Triad

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



33.7533, 33.3111, 49.9981



34.4302, 33.3111, 26.1652



27.1542, 33.3111, 35.2151

Complementary

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



33.7533, 33.3111, 49.9981



41.9474, 46.4055, 36.8848

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.



27.9020, 33.3111, 29.0939



33.7533, 33.3111, 49.9981



32.0347, 33.3111, 24.3191

Square

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



33.7533, 33.3111, 49.9981



36.1486, 33.3111, 30.7162



29.6574, 33.3111, 25.3175



27.5615, 33.3111, 42.4561

Rectangle

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



33.7533, 33.3111, 49.9981



36.4909, 33.3111, 39.7842



29.6574, 33.3111, 25.3175



27.2777, 33.3111, 32.9693

Sweetspot

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



33.7543, 33.3125, 49.9988



75.6217, 78.2409, 93.3209



38.3983, 43.4513, 51.7111



16.1040, 16.6210, 20.0810



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.



33.7543, 33.3125, 49.9988



57.3490, 55.6565, 89.9248



36.8568, 34.9119, 50.1440



8.5996, 8.7599, 11.3170



6.1605, 2.4870, 31.4084



0.2442, 0.1016, 1.1085

Inverse Universe

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



39.5000, 36.3104, 48.6442



69.6349, 62.0685, 86.9551



38.5997, 44.6797, 36.7282



9.3425, 9.1474, 11.1509



18.3942, 8.9314, 25.7606



0.6594, 0.3192, 0.9657

Previews

White Background



This preview shows how the XYZ color 33.7533, 33.3111, 49.9981 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 33.7533, 33.3111, 49.9981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

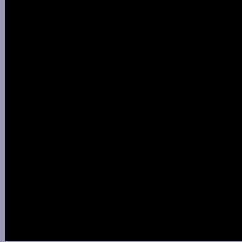
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7533, 33.3111, 49.9981

Background



This preview shows how black text looks on a background with the XYZ color 33.7533, 33.3111, 49.9981.



This preview shows how white text looks on a background with the XYZ color 33.7533, 33.3111,

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

33.7533, 33.3111, 49.9981

Protanopia

33.0560, 33.4295, 50.6092

Deuteranopia

33.9805, 33.1863, 49.9620



Tritanopia

32.0932, 33.3764, 41.7966

Trichromacy



Original Color

33.7533, 33.3111, 49.9981

Protanomaly

33.2615, 33.2894, 50.5714

Deuteranomaly

33.7846, 33.0853, 49.9529

Tritanomaly

32.6878, 33.3687, 44.7624

Monochromacy



Original Color

33.7533, 33.3111, 49.9981

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.7681, 33.7351, 41.3437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7533, 33.3111, 49.9981 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(156, 153, 184)` looks like.

```
.text, #text, p{  
    color:rgb(156, 153, 184)  
}
```

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(156, 153, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 153, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.7533, 33.3111, 49.9981 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(156, 153, 184) }
```


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

```
.border{ border-color:rgb(156, 153, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 153, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 153, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 153, 184);  
box-shadow:4px 4px 4px 4px rgb(156, 153,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7533, 33.3111, 49.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 153, 184) }
```

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

```
.background{ background-color: rgb(156,  
153, 184) }
```

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