

Converting Colors

XYZ(33.7909, 31.6633, 60.8306)

Have a look what the booklet for
XYZ(33.7909, 31.6633, 60.8306)
contains.

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Color

**XYZ(33.7909, 31.6633,
60.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	9693CB
RGB	150, 147, 203
RGB Percent	59%, 58%, 80%
CMY	0.4118, 0.4235, 0.2039
CMYK	0.26, 0.28, 0.00, 0.20
HSL	243°, 35%, 69%
HSV	243°, 28%, 80%
XYZ	33.7909, 31.6633, 60.8306
YIQ	154.2810, -16.1880, 18.0520

Conversions

Conversions Part 2

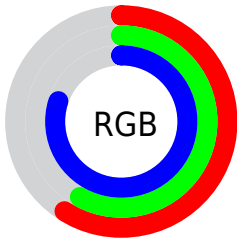
Format	Color
R_{YB}	150, 147, 203
Decimal	9868235
CIE _{Lab}	63.06, 13.42, -28.41
CIE _{LCh}	63, 31.414, 295.281
Yxy	31.6633, 0.2676, 0.2507
Android (android.graphics.Color)	4288058315 (0xFF9693CB)
YUV	154.2810, 24.0185, -3.7544
Hunter-Lab	56.2702, 8.7186, -24.7061

Details

The XYZ color **33.7909, 31.6633, 60.8306** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4427, 57.0986, 35.9676**, and the grayscale version is **30.7423, 32.3433, 35.2219**.

A 20% lighter version of the original color is **64.1135, 61.9724, 103.1905**, and **14.7365, 13.3160, 30.2273** is the 20% darker color. If you saturate the color by 10%, you get **27.6582, 24.2225, 59.7182**, and if you desaturate by 10%, it is **41.0624, 40.5194, 62.1573**.

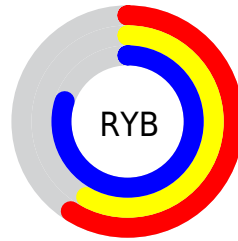
Distribution



Red (59%)

Green (58%)

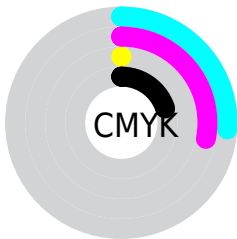
Blue (80%)



Red (59%)

Yellow (58%)

Blue (80%)

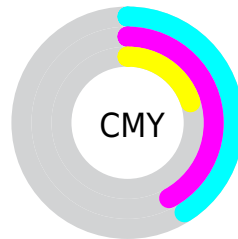


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (20%)



Cyan (41%)

Magenta (42%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7909, 31.6633, 60.8306 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 33.7909, 31.6633, 60.8306 by changing the saturation by 10% instead.

■ 33.7909, 31.6633,
60.8306

■ 33.7909, 31.6633,
60.8306

310.8010,
309.5826, 445.5420

■ 22.8951, 21.1045,
43.6588

■ 64.9548, 62.2829,
107.5888

■ 14.6364, 13.2004,
30.0671

■ 85.9537, 83.1124,
138.0122

■ 8.6492, 7.5667,
19.6371

111.0510,
108.1343, 173.6899

■ 4.5684, 3.8189,
11.9501

140.6120,
137.7329, 215.0405

■ 2.0284, 1.5728,
6.5875

175.0022,
172.2926, 262.4825

■ 0.6499, 0.3392,
3.1310

214.5869,

■ 0.0000, 0.0000,

212.1979, 316.4343

1.1619

259.7313,
257.8331, 377.3146

■ 0.0000, 0.0000,
0.0000

■ 33.7909, 31.6633,
60.8306

■ 33.7909, 31.6633,
60.8306

■ 27.6582, 24.2225,
59.7182

■ 41.0624, 40.5194,
62.1573

■ 22.6036, 18.1202,
58.8067

■ 49.5229, 50.8549,
63.7063

■ 18.5657, 13.2780,
58.0849

■ 59.2235, 62.7345,
65.4880

■ 15.4754, 9.6077,
57.5393

■ 70.2115, 76.2179,
67.5115

■ 13.2553, 7.0098,
57.1549

■ 82.5315, 91.3617,
69.7852

■ 11.8154, 5.3683,
56.9139

■ 87.7796, 97.0918,
70.6146

■ 11.0383, 4.5242,
56.7920

■ 10.9159, 4.3821,
56.7710

Harmonies

Analogous

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



29.4155, 31.6633, 64.1029



33.7909, 31.6633, 60.8306



37.4670, 31.6633, 49.9107

Triad

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



33.7909, 31.6633, 60.8306



35.0882, 31.6633, 18.3615



22.5395, 31.6633, 32.5521

Complementary

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



33.7909, 31.6633, 60.8306



50.4427, 57.0986, 35.9676

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.



23.7596, 31.6633, 22.6047



33.7909, 31.6633, 60.8306



30.7849, 31.6633, 15.7599

Square

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



33.7909, 31.6633, 60.8306



38.2650, 31.6633, 25.2660



26.6790, 31.6633, 17.1031



23.1795, 31.6633, 45.6893

Rectangle

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



33.7909, 31.6633, 60.8306



38.8832, 31.6633, 40.8933



26.6790, 31.6633, 17.1031



22.7421, 31.6633, 28.7678

Sweetspot

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



33.7920, 31.6646, 60.8313



82.1340, 84.1882, 106.5288



43.5137, 51.9169, 64.2280



17.0930, 17.4242, 22.7122



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.7920, 31.6646, 60.8313



50.3440, 45.4445, 100.7260



39.5285, 34.6219, 61.0998



10.6564, 10.8722, 14.1073



6.9711, 2.8013, 36.1296



0.3795, 0.1548, 1.8648

Inverse Universe

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



45.4886, 37.7353, 59.5308



73.1073, 57.2623, 98.0479



43.6805, 53.6125, 35.6512



11.6606, 11.3930, 14.0133



21.7484, 10.5100, 32.7236



1.1301, 0.5454, 1.7310

Previews

White Background



This preview shows how the XYZ color 33.7909, 31.6633, 60.8306 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 33.7909, 31.6633, 60.8306 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 33.7909, 31.6633, 60.8306

Background



This preview shows how black text looks on a background with the XYZ color 33.7909, 31.6633, 60.8306.



This preview shows how white text looks on a background with the XYZ color 33.7909, 31.6633,

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

33.7909, 31.6633, 60.8306

Protanopia

32.5237, 31.9078, 62.8372

Deuteranopia

32.3822, 31.6524, 60.2799



Tritanopia

29.7662, 31.7040, 40.6270

Trichromacy



Original Color

33.7909, 31.6633, 60.8306

Protanomaly

33.0811, 31.9713, 62.1851

Deuteranomaly

32.9097, 31.6885, 60.2591

Tritanomaly

31.0574, 31.4989, 47.0908

Monochromacy



Original Color

33.7909, 31.6633, 60.8306

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6499, 31.8841, 43.5158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7909, 31.6633, 60.8306 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(150, 147, 203)` looks like.

```
.text, #text, p{  
    color:rgb(150, 147, 203)  
}
```

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(150, 147, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 147, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.7909, 31.6633, 60.8306 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(150, 147, 203) }
```


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

```
.border{ border-color:rgb(150, 147, 203) }
```

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

Here you see how a box with a 4 pixel rgb(150, 147, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 147, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 147, 203);  
box-shadow:4px 4px 4px 4px rgb(150, 147,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7909, 31.6633, 60.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 147, 203) }
```

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

```
.background{ background-color: rgb(150,  
147, 203) }
```

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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