

Converting Colors

XYZ(33.8194, 31.0769, 62.9596)

Have a look what the booklet for
XYZ(33.8194, 31.0769, 62.9596)
contains.

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Color

**XYZ(33.9656, 31.2398,
63.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	9691CF
RGB	150, 145, 207
RGB Percent	59%, 57%, 81%
CMY	0.4118, 0.4314, 0.1882
CMYK	0.28, 0.30, 0.00, 0.19
HSL	245°, 39%, 69%
HSV	245°, 30%, 81%
XYZ	33.9656, 31.2398, 63.2712
YIQ	153.5630, -16.9220, 20.3420

Conversions

Conversions Part 2

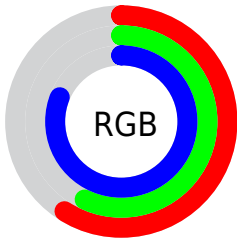
Format	Color
R_{YB}	150, 145, 207
Decimal	9867727
CIE _{Lab}	62.71, 15.55, -31.19
CIE _{LCh}	63, 34.852, 296.501
Yxy	31.2398, 0.2644, 0.2432
Android (android.graphics.Color)	4288057807 (0xFF9691CF)
YUV	153.5630, 26.3444, -3.1248
Hunter-Lab	55.8926, 10.6614, -27.9923

Details

The XYZ color **33.9656, 31.2398, 63.2712** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.7814, 59.2271, 35.4920**, and the grayscale version is **30.4185, 32.0026, 34.8508**.

A 20% lighter version of the original color is **63.6503, 61.0460, 103.0361**, and **14.6895, 12.9928, 31.4394** is the 20% darker color. If you saturate the color by 10%, you get **27.8640, 23.8194, 62.1611**, and if you desaturate by 10%, it is **41.2143, 40.1083, 64.6015**.

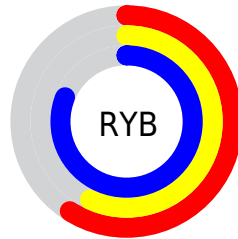
Distribution



Red (59%)

Green (57%)

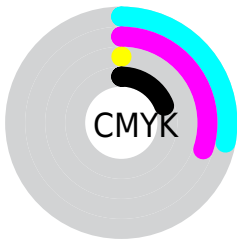
Blue (81%)



Red (59%)

Yellow (57%)

Blue (81%)

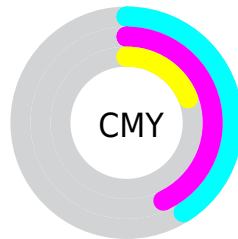


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (19%)



Cyan (41%)

Magenta (43%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9656, 31.2398, 63.2712 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 33.9656, 31.2398, 63.2712 by changing the saturation by 10% instead.

■ 33.9656, 31.2398,
63.2712

■ 33.9656, 31.2398,
63.2712

311.5673,
307.6416, 454.6881

■ 23.0299, 20.7815,
45.6182

■ 65.2248, 61.6174,
111.1500

■ 14.7364, 12.9644,
31.5982

■ 86.2791, 82.3055,
142.2130

■ 8.7197, 7.4040,
20.7925

111.4369,
107.1724, 178.5830

■ 4.6145, 3.7160,
12.7826

141.0637,
136.6024, 220.6786

■ 2.0553, 1.5160,
7.1501

175.5248,
170.9799, 268.9184

■ 0.6647, 0.3000,
3.4763

215.1855,

■ 0.0000, 0.0000,

210.6893, 323.7209

1.3427

260.4112,
256.1151, 385.5046

■ 0.0000, 0.0000,
0.0964

■ 0.0000, 0.0000,
0.0000

■ 33.9656, 31.2398,
63.2712

■ 33.9656, 31.2398,
63.2712

■ 27.8640, 23.8194,
62.1611

■ 41.2143, 40.1083,
64.6015

■ 22.8477, 17.7668,
61.2572

■ 49.6614, 50.4924,
66.1606

■ 18.8536, 12.9992,
60.5474

■ 59.3591, 62.4597,
67.9594

■ 15.8111, 9.4235,
60.0176

■ 70.3553, 76.0727,
70.0074

■ 13.6404, 6.9339,
59.6515

■ 82.6956, 91.3903,
72.3136

■ 12.2484, 5.4060,
59.4299

■ 88.2626, 97.2850,
73.1580

■ 11.4911, 4.6245,
59.3190

■ 11.4883, 4.6214,
59.3186

Harmonies

Analogous

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



29.1375, 31.2398, 67.4508



33.9656, 31.2398, 63.2712



37.9955, 31.2398, 50.6261

Triad

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



33.9656, 31.2398, 63.2712



35.0347, 31.2398, 16.5073



21.4634, 31.2398, 32.4402

Complementary

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



33.9656, 31.2398, 63.2712



51.7814, 59.2271, 35.4920

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.



22.6969, 31.2398, 21.5040



33.9656, 31.2398, 63.2712



30.2545, 31.2398, 13.9893

Square

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



33.9656, 31.2398, 63.2712



38.6576, 31.2398, 23.6100



25.7937, 31.2398, 15.5390



22.2331, 31.2398, 47.0997

Rectangle

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



33.9656, 31.2398, 63.2712



39.5087, 31.2398, 40.5064



25.7937, 31.2398, 15.5390



21.6539, 31.2398, 28.2567

Sweetspot

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



33.9667, 31.2410, 63.2719



80.8199, 82.4370, 106.2600



44.2648, 53.1744, 66.9627



16.8402, 17.0801, 22.6592



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.



33.9667, 31.2410, 63.2719



47.8911, 42.0990, 100.2095



40.2423, 34.4762, 63.5656



11.2508, 11.4626, 14.8632



7.2704, 2.9283, 37.3745



0.4379, 0.1799, 2.0912

Inverse Universe

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



46.5190, 37.7815, 60.7183



71.2534, 54.2777, 95.2001



44.4085, 55.4263, 35.1470



12.2680, 11.9919, 14.6868



22.1058, 10.7152, 31.7932



1.2485, 0.6041, 1.8433

Previews

White Background



This preview shows how the XYZ color 33.9656, 31.2398, 63.2712 looks on a white background.

Color Contrast Check

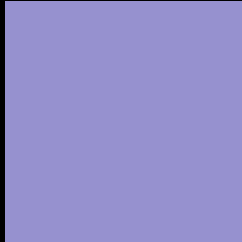
Large Text (above 18pt) WCAG AA × Fail

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 33.9656, 31.2398, 63.2712 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 33.9656, 31.2398, 63.2712

Background



This preview shows how black text looks on a background with the XYZ color 33.9656, 31.2398, 63.2712.



This preview shows how white text looks on a background with the XYZ color 33.9656, 31.2398,

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

33.9656, 31.2398, 63.2712

Protanopia

32.2121, 31.4524, 65.3459

Deuteranopia

32.0386, 31.4198, 62.7685



Tritanopia

29.3381, 31.2499, 40.0829

Trichromacy



Original Color

33.9656, 31.2398, 63.2712

Protanomaly

32.7460, 31.2722, 64.6318

Deuteranomaly

32.5457, 31.2115, 62.7016

Tritanomaly

30.8216, 31.1277, 47.5638

Monochromacy



Original Color

33.9656, 31.2398, 63.2712

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.7463, 31.9227, 44.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9656, 31.2398, 63.2712 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, 145, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 145, 207)  
}
```

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, 145, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 145, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.9656, 31.2398, 63.2712 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, 145, 207) }
```


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

```
.border{ border-color:rgb(150, 145, 207) }
```

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

Here you see how a box with a 4 pixel rgb(150, 145, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 145, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 145, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 145,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9656, 31.2398, 63.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 145, 207) }
```

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

```
.background{ background-color: rgb(150,  
145, 207) }
```

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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