

Converting Colors

XYZ(34.9271, 31.7533, 64.1385)

Have a look what the booklet for
XYZ(34.9271, 31.7533, 64.1385)
contains.

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Color

**XYZ(34.8370, 31.6749,
63.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	9A91D0
RGB	154, 145, 208
RGB Percent	60%, 57%, 82%
CMY	0.3961, 0.4314, 0.1843
CMYK	0.26, 0.30, 0.00, 0.18
HSL	249°, 40%, 69%
HSV	249°, 30%, 82%
XYZ	34.8370, 31.6749, 63.9523
YIQ	154.8730, -14.8590, 21.5010

Conversions

Conversions Part 2

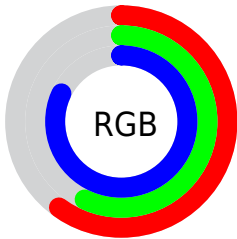
Format	Color
RYB	154, 145, 208
Decimal	10129872
CIELab	63.07, 16.99, -31.16
CIElCh	63, 35.491, 298.605
Yxy	31.6749, 0.2670, 0.2428
Android (android.graphics.Color)	4288319952 (0xFF9A91D0)
YUV	154.8730, 26.1916, -0.7656
Hunter-Lab	56.2805, 11.9988, -27.9758

Details

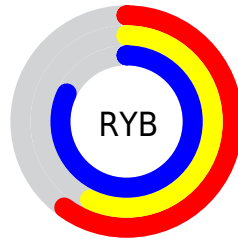
The XYZ color **34.8370, 31.6749, 63.9523** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2208, 59.2989, 35.5356**, and the grayscale version is **30.9931, 32.6071, 35.5092**.

A 20% lighter version of the original color is **64.7679, 61.6222, 103.0884**, and **15.2088, 13.2510, 31.8931** is the 20% darker color. If you saturate the color by 10%, you get **28.8000, 24.2692, 62.8416**, and if you desaturate by 10%, it is **41.9620, 40.5067, 65.2820**.

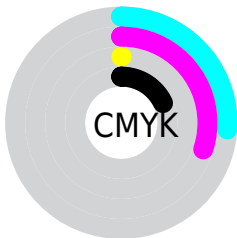
Distribution



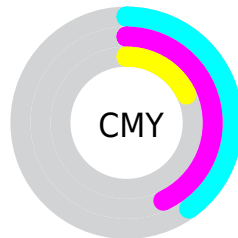
- Red (60%)
- Green (57%)
- Blue (82%)



- Red (60%)
- Yellow (57%)
- Blue (82%)



- Cyan (26%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)



- Cyan (40%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8370, 31.6749, 63.9523 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 34.8370, 31.6749, 63.9523 by changing the saturation by 10% instead.

■ 34.8370, 31.6749,
63.9523

■ 34.8370, 31.6749,
63.9523

315.3689,
309.6356, 457.2201

■ 23.7033, 21.1133,
46.1661

■ 66.5689, 62.3011,
112.1410

■ 15.2372, 13.2068,
32.0273

■ 87.8977, 83.1345,
143.3807

■ 9.0734, 7.5711,
21.1174

113.3556,
108.1606, 179.9419

■ 4.8466, 3.8218,
13.0177

143.3080,
137.7638, 222.2431

■ 2.1914, 1.5744,
7.3099

178.1201,
172.3285, 270.7031

■ 0.7382, 0.3402,
3.5753

218.1574,

■ 0.0000, 0.0000,

212.2391, 325.7402

1.3954

263.7852,
257.8800, 387.7730

■ 0.0000, 0.0000,
0.1381

■ 0.0000, 0.0000,
0.0000

■ 34.8370, 31.6749,
63.9523

■ 34.8370, 31.6749,
63.9523

■ 28.8000, 24.2692,
62.8416

■ 41.9620, 40.5067,
65.2820

■ 23.7939, 18.2107,
61.9360

■ 50.2219, 50.8301,
66.8393

■ 19.7611, 13.4189,
61.2237

■ 59.6649, 62.7114,
68.6349

■ 16.6370, 9.8028,
60.6903

■ 70.3351, 76.2116,
70.6783

■ 14.3490, 7.2592,
60.3200

■ 82.2747, 91.3884,
72.9785

■ 12.8127, 5.6667,
60.0936

■ 88.3853, 97.3341,
73.8040

■ 11.9124, 4.8258,
59.9787

Harmonies

Analogous

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



29.8776, 31.6749, 69.0312



34.8370, 31.6749, 63.9523



38.8687, 31.6749, 50.5089

Triad

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



34.8370, 31.6749, 63.9523



35.2760, 31.6749, 16.2277



21.6487, 31.6749, 33.8369

Complementary

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



34.8370, 31.6749, 63.9523



51.2208, 59.2989, 35.5356

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.



22.7705, 31.6749, 22.2740



34.8370, 31.6749, 63.9523



30.3356, 31.6749, 13.9614

Square

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



34.8370, 31.6749, 63.9523



39.1409, 31.6749, 23.1335



25.8240, 31.6749, 15.8342



22.5809, 31.6749, 49.0581

Rectangle

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



34.8370, 31.6749, 63.9523



40.2987, 31.6749, 40.0886



25.8240, 31.6749, 15.8342



21.7956, 31.6749, 29.4359

Sweetspot

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



34.8381, 31.6762, 63.9530



81.2902, 82.6795, 106.2820



43.6249, 51.6982, 67.3546



16.9550, 17.1393, 22.6645



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.



34.8381, 31.6762, 63.9530



49.1583, 42.7522, 100.2688



41.4950, 35.1079, 64.2646



11.3186, 11.4975, 14.8663



7.4736, 3.0331, 37.3840



0.4697, 0.1963, 2.0927

Inverse Universe

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



46.4475, 37.7854, 58.8790



70.3826, 53.9294, 90.6146



43.8374, 55.4927, 35.1900



12.2352, 11.9788, 14.5141



21.2662, 10.3793, 27.3716



1.2094, 0.5885, 1.6377

Previews

White Background



This preview shows how the XYZ color 34.8370, 31.6749, 63.9523 looks on a white background.

Color Contrast Check

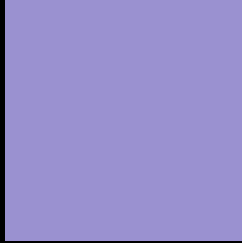
Large Text (above 18pt) WCAG AA × Fail

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 34.8370, 31.6749, 63.9523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

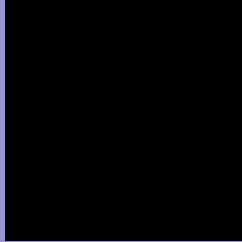
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8370, 31.6749, 63.9523

Background



This preview shows how black text looks on a background with the XYZ color 34.8370, 31.6749, 63.9523.



This preview shows how white text looks on a background with the XYZ color 34.8370, 31.6749,

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

34.8370, 31.6749, 63.9523

Protanopia

32.6215, 31.6345, 66.6741

Deuteranopia

32.4854, 31.6361, 63.4257



Tritanopia

30.0368, 31.6101, 40.1156

Trichromacy



Original Color

34.8370, 31.6749, 63.9523

Protanomaly

33.3323, 31.5457, 65.9601

Deuteranomaly

33.1801, 31.5244, 63.3675

Tritanomaly

31.6413, 31.5384, 48.1359

Monochromacy



Original Color

34.8370, 31.6749, 63.9523

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.2242, 32.1578, 44.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8370, 31.6749, 63.9523 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(154, 145, 208)` looks like.

```
.text, #text, p{  
    color:rgb(154, 145, 208)  
}
```

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(154, 145, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 145, 208) }
```

Border

The CSS property to change the border of an element to XYZ 34.8370, 31.6749, 63.9523 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(154, 145, 208) }
```


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

```
.border{ border-color:rgb(154, 145, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 145, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 145, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 145, 208);  
box-shadow:4px 4px 4px 4px rgb(154, 145,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8370, 31.6749, 63.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 145, 208) }
```

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

```
.background{ background-color: rgb(154,  
145, 208) }
```

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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