

Converting Colors

XYZ(34.6271, 31.8765, 44.9815)

Have a look what the booklet for
XYZ(34.6271, 31.8765, 44.9815)
contains.

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Color

**XYZ(34.6578, 32.0039,
44.9081)**

Conversions

Conversions Part 1

Format	Color
Hex	AB91AF
RGB	171, 145, 175
RGB Percent	67%, 57%, 69%
CMY	0.3294, 0.4314, 0.3137
CMYK	0.02, 0.17, 0.00, 0.31
HSL	292°, 16%, 63%
HSV	292°, 17%, 69%
XYZ	34.6578, 32.0039, 44.9081
YIQ	156.1940, 5.8660, 14.8420

Conversions

Conversions Part 2

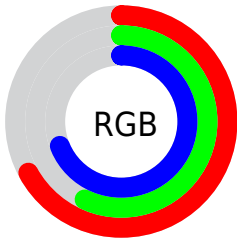
Format	Color
RYB	171, 145, 175
Decimal	11243951
CIELab	63.35, 15.20, -12.07
CIELCh	63, 19.411, 321.550
Yxy	32.0039, 0.3106, 0.2869
Android (android.graphics.Color)	4289434031 (0xFFAB91AF)
YUV	156.1940, 9.2714, 12.9849
Hunter-Lab	56.5720, 10.3538, -7.4653

Details

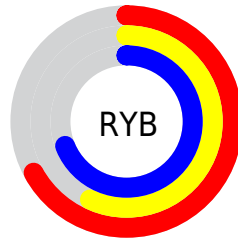
The XYZ color **34.6578, 32.0039, 44.9081** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **32.8365, 39.0947, 32.6051**, and the grayscale version is **31.6454, 33.2934, 36.2565**.

A 20% lighter version of the original color is **66.5258, 62.9473, 84.2451**, and **15.1856, 13.3574, 20.5168** is the 20% darker color. If you saturate the color by 10%, you get **31.6835, 26.8027, 44.0614**, and if you desaturate by 10%, it is **38.0549, 38.0363, 45.8939**.

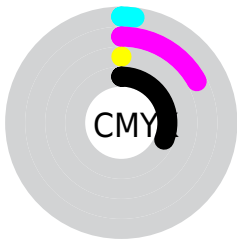
Distribution



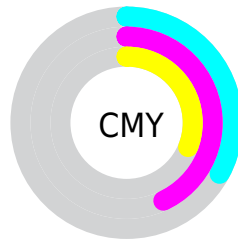
- Red (67%)
- Green (57%)
- Blue (69%)



- Red (67%)
- Yellow (57%)
- Blue (69%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6578, 32.0039, 44.9081 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 34.6578, 32.0039, 44.9081 by changing the saturation by 10% instead.


 34.6578, 32.0039,
44.9081

 34.6578, 32.0039,
44.9081

314.5898,
311.1370, 382.5505

 23.5647, 21.3645,
31.0426


 66.2928, 62.8172,
83.8995

 15.1340, 13.3907,
20.3726


 87.5654, 83.7599,
109.8625

 9.0004, 7.6981,
12.4794


112.9619,
108.9057, 140.6950

 4.7986, 3.9024,
6.9446

142.8476,
138.6392, 176.8157

 2.1631, 1.6191,
3.3495

177.5879,
173.3447, 218.6431

 0.7232, 0.3704,
1.2758

217.5481,

 0.0000, 0.0000,

213.4066, 266.5956

0.0418

263.0937,
259.2092, 321.0919

■ 0.0000, 0.0000,
0.0000

■ 34.6578, 32.0039,
44.9081

■ 34.6578, 32.0039,
44.9081

■ 31.6835, 26.8027,
44.0614

■ 38.0549, 38.0363,
45.8939

■ 29.1103, 22.3910,
43.3455

■ 41.8896, 44.9309,
47.0226

■ 26.9188, 18.7296,
42.7543

■ 46.1794, 52.7223,
48.3004

■ 25.0869, 15.7744,
42.2804

■ 50.9401, 61.4419,
49.7325

■ 23.5903, 13.4765,
41.9158

■ 56.1865, 71.1196,
51.3240

■ 22.4014, 11.7811,
41.6512

■ 61.9332, 81.7839,
53.0795

■ 21.4881, 10.6240,
41.4760

■ 64.0737, 85.2224,
53.6304

■ 20.8034, 9.9113,
41.3745

■ 64.6507, 85.5198,
53.6574

■ 20.6242, 9.7383,
41.3505

■ 65.2369, 85.8220,
53.6848

Harmonies

Analogous

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



32.3611, 32.0039, 50.5436



34.6578, 32.0039, 44.9081



35.8347, 32.0039, 37.0722

Triad

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



34.6578, 32.0039, 44.9081



31.1862, 32.0039, 22.1378



25.8514, 32.0039, 40.5840

Complementary

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



34.6578, 32.0039, 44.9081



32.8365, 39.0947, 32.6051

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.



25.5780, 32.0039, 32.7123



34.6578, 32.0039, 44.9081



28.5557, 32.0039, 22.7913

Square

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



34.6578, 32.0039, 44.9081



33.7543, 32.0039, 24.4734



26.5403, 32.0039, 26.4131



27.3105, 32.0039, 47.8018

Rectangle

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



34.6578, 32.0039, 44.9081



35.7805, 32.0039, 31.9605



26.5403, 32.0039, 26.4131



25.6213, 32.0039, 37.9018

Sweetspot

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



34.6588, 32.0053, 44.9088



69.5001, 70.5294, 82.5874



30.2430, 30.7699, 44.9031



15.3461, 15.4949, 18.3263



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.6588, 32.0053, 44.9088



59.7322, 53.2087, 79.7589



34.5517, 32.0646, 39.7281



8.2305, 8.0931, 10.0810



14.8069, 6.9931, 29.6139



0.4404, 0.2092, 0.8252

Inverse Universe

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



33.2306, 31.5362, 32.7711



56.6665, 52.2097, 53.3480



32.9667, 39.0639, 37.0348



8.0471, 8.0321, 8.5589



12.7875, 6.5775, 1.2603



0.3690, 0.1883, 0.1048

Previews

White Background



This preview shows how the XYZ color 34.6578, 32.0039, 44.9081 looks on a white background.

Color Contrast Check

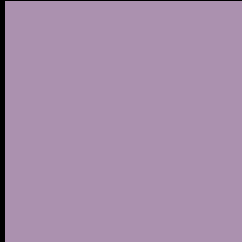
Large Text (above 18pt) WCAG AA × Fail

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 34.6578, 32.0039, 44.9081 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 34.6578, 32.0039, 44.9081

Background



This preview shows how black text looks on a background with the XYZ color 34.6578, 32.0039, 44.9081.



This preview shows how white text looks on a background with the XYZ color 34.6578, 32.0039,

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

34.6578, 32.0039, 44.9081

Protanopia

31.6792, 32.0477, 47.6962

Deuteranopia

32.8444, 32.2396, 44.5362



Tritanopia

33.2101, 32.1180, 37.2499

Trichromacy



Original Color

34.6578, 32.0039, 44.9081

Protanomaly

32.4936, 31.7772, 46.5405

Deuteranomaly

33.3341, 32.0223, 44.4684

Tritanomaly

33.8028, 32.1301, 40.0174

Monochromacy



Original Color

34.6578, 32.0039, 44.9081

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.5370, 32.6779, 39.2429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6578, 32.0039, 44.9081 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(171, 145, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 175)  
}
```

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(171, 145, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.6578, 32.0039, 44.9081 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(171, 145, 175) }
```


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

```
.border{ border-color:rgb(171, 145, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 145, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 145,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6578, 32.0039, 44.9081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 175) }
```

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

```
.background{ background-color: rgb(171,  
145, 175) }
```

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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