

Converting Colors

XYZ(32.2754, 29.7814, 39.4164)

Have a look what the booklet for
XYZ(32.2754, 29.7814, 39.4164)
contains.

XYZ(32.3181, 29.7976, 39.6455)	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(32.3181, 29.7976,
39.6455)**

Conversions

Conversions Part 1

Format	Color
Hex	A88CA5
RGB	168, 140, 165
RGB Percent	66%, 55%, 65%
CMY	0.3412, 0.4510, 0.3529
CMYK	0.00, 0.17, 0.02, 0.34
HSL	306°, 14%, 60%
HSV	306°, 17%, 66%
XYZ	32.3181, 29.7976, 39.6455
YIQ	151.2220, 8.6630, 13.7110

Conversions

Conversions Part 2

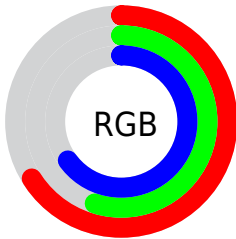
Format	Color
R_{YB}	168, 140, 165
Decimal	11046053
CIE _{Lab}	61.48, 15.02, -9.23
CIE _{LCh}	61, 17.631, 328.431
Yxy	29.7976, 0.3176, 0.2928
Android (android.graphics.Color)	4289236133 (0xFFA88CA5)
YUV	151.2220, 6.7926, 14.7143
Hunter-Lab	54.5872, 10.1526, -4.8500

Details

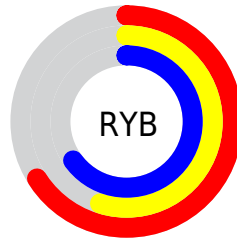
The XYZ color **32.3181, 29.7976, 39.6455** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **29.7770, 35.5648, 31.2835**, and the grayscale version is **29.4804, 31.0157, 33.7761**.

A 20% lighter version of the original color is **62.6415, 59.4389, 75.8814**, and **13.8393, 12.2176, 17.2516** is the 20% darker color. If you saturate the color by 10%, you get **29.8858, 25.1930, 38.0322**, and if you desaturate by 10%, it is **35.1292, 35.1553, 41.3971**.

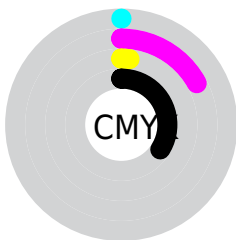
Distribution



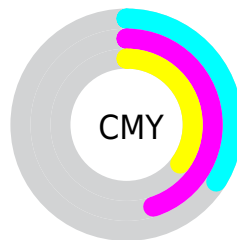
- Red (66%)
- Green (55%)
- Blue (65%)



- Red (66%)
- Yellow (55%)
- Blue (65%)



- Cyan (0%)
- Magenta (17%)
- Yellow (2%)
- Black (34%)





- Cyan (34%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3181, 29.7976, 39.6455 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 32.3181, 29.7976, 39.6455 by changing the saturation by 10% instead.


 32.3181, 29.7976,
39.6455


 32.3181, 29.7976,
39.6455


304.2854,
300.9599, 360.1347

 21.7613, 19.6850,
26.9506


 62.6713, 59.3419,
75.8546

 13.7972, 12.1663,
17.3040


 83.1984, 79.5425,
100.2058

 8.0605, 6.8570,
10.2872


 107.7796,
103.8745, 129.2795

 4.1858, 3.3728,
5.4817

136.7803,
132.7223, 163.4943

 1.8078, 1.3293,
2.4689

170.5659,
166.4704, 203.2686

 0.5224, 0.1638,
0.8236

209.5017,

 0.0000, 0.0000,

205.5031, 249.0211

0.0000

253.9531,
250.2048, 301.1703

■ 32.3181, 29.7976,
39.6455

■ 32.3181, 29.7976,
39.6455

■ 29.8858, 25.1930,
38.0322

■ 35.1292, 35.1553,
41.3971

■ 27.8128, 21.3038,
36.5497

■ 38.3325, 41.2939,
43.2906

■ 26.0817, 18.0947,
35.1924

■ 41.9437, 48.2447,
45.3314

■ 24.6727, 15.5260,
33.9538

■ 45.9769, 56.0360,
47.5245

■ 23.5637, 13.5539,
32.8263

■ 50.4458, 64.6948,
49.8744

■ 22.7302, 12.1291,
31.8018

■ 55.3632, 74.2467,
52.3854

■ 22.1436, 11.1944,
30.8708

■ 59.9048, 83.0434,
54.7828

■ 21.7629, 10.6679,
30.0194

■ 60.0863, 83.1160,
55.7385

■ 21.6536, 10.5269,
29.7438

■ 60.2702, 83.1896,
56.7067

Harmonies

Analogous

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



30.5115, 29.7976, 45.1038



32.3181, 29.7976, 39.6455



33.0466, 29.7976, 32.7975

Triad

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



32.3181, 29.7976, 39.6455



28.4447, 29.7976, 21.2224



24.5573, 29.7976, 38.9533

Complementary

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



32.3181, 29.7976, 39.6455



29.7770, 35.5648, 31.2835

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.



24.0702, 29.7976, 32.0941



32.3181, 29.7976, 39.6455



26.2393, 29.7976, 22.4077

Square

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



32.3181, 29.7976, 39.6455



30.7356, 29.7976, 22.6837



24.6692, 29.7976, 26.1730



26.0377, 29.7976, 44.6671

Rectangle

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



32.3181, 29.7976, 39.6455



32.7940, 29.7976, 28.5500



24.6692, 29.7976, 26.1730



24.2757, 29.7976, 36.6781

Sweetspot

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



32.3190, 29.7989, 39.6461



64.6127, 65.4504, 75.6432



27.7404, 27.4066, 40.8744



14.0016, 14.1102, 16.4380



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



32.3190, 29.7989, 39.6461



56.9339, 50.8239, 70.8299



31.1298, 29.3232, 33.3838



7.8068, 7.6526, 9.2996



16.3630, 7.9539, 22.5207



0.4076, 0.1973, 0.5981

Inverse Universe

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



32.3190, 29.7989, 39.6461



56.9339, 50.8239, 70.8299



30.8877, 36.0091, 37.1324



7.8068, 7.6526, 9.2996



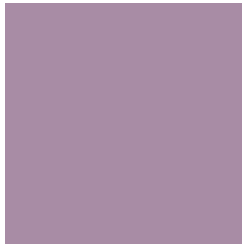
16.3630, 7.9539, 22.5207



0.4076, 0.1973, 0.5981

Previews

White Background



This preview shows how the XYZ color 32.3181, 29.7976, 39.6455 looks on a white background.

Color Contrast Check

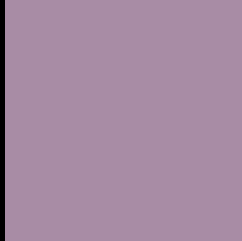
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3181, 29.7976, 39.6455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

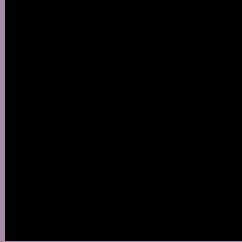
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3181, 29.7976, 39.6455

Background



This preview shows how black text looks on a background with the XYZ color 32.3181, 29.7976, 39.6455.



This preview shows how white text looks on a background with the XYZ color 32.3181, 29.7976,

39.6455.

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

32.3181, 29.7976, 39.6455

Protanopia

29.3665, 29.7895, 42.2324

Deuteranopia

30.5365, 29.9991, 39.3029



Tritanopia

31.1487, 29.7529, 34.2382

Trichromacy



Original Color

32.3181, 29.7976, 39.6455

Protanomaly

30.1780, 29.5460, 41.1582

Deuteranomaly

31.0205, 29.7988, 39.2388

Tritanomaly

31.5470, 29.6996, 35.9682

Monochromacy



Original Color

32.3181, 29.7976, 39.6455

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.3391, 30.4358, 35.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3181, 29.7976, 39.6455 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(168, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 140, 165)  
}
```

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(168, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 32.3181, 29.7976, 39.6455 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(168, 140, 165) }
```


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

```
.border{ border-color:rgb(168, 140, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3181, 29.7976, 39.6455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 140, 165) }
```

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

```
.background{ background-color: rgb(168,  
140, 165) }
```

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