

Converting Colors

XYZ(31.5620, 28.8802, 39.8681)

Have a look what the booklet for
XYZ(31.5620, 28.8802, 39.8681)
contains.

XYZ(31.6973, 29.0371, 40.0105)	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(31.6973, 29.0371,
40.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	A68AA6
RGB	166, 138, 166
RGB Percent	65%, 54%, 65%
CMY	0.3490, 0.4588, 0.3490
CMYK	0.00, 0.17, 0.00, 0.35
HSL	300°, 14%, 60%
HSV	300°, 17%, 65%
XYZ	31.6973, 29.0371, 40.0105
YIQ	149.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

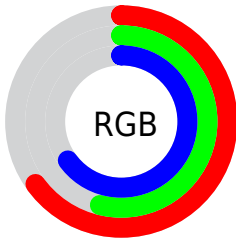
Format	Color
RYB	166, 138, 166
Decimal	10914470
CIELab	60.81, 15.64, -10.81
CIELCh	61, 19.013, 325.338
Yxy	29.0371, 0.3146, 0.2882
Android (android.graphics.Color)	4289104550 (0xFFA68AA6)
YUV	149.5640, 8.1029, 14.4144
Hunter-Lab	53.8861, 10.6980, -6.3027

Details

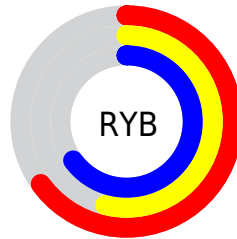
The XYZ color **31.6973, 29.0371, 40.0105** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **28.7060, 34.5116, 29.1947**, and the grayscale version is **28.7701, 30.2684, 32.9623**.

A 20% lighter version of the original color is **61.7196, 58.2919, 76.4051**, and **13.4664, 11.7718, 17.4820** is the 20% darker color. If you saturate the color by 10%, you get **29.4957, 24.6334, 39.2769**, and if you desaturate by 10%, it is **34.2647, 34.1714, 40.8667**.

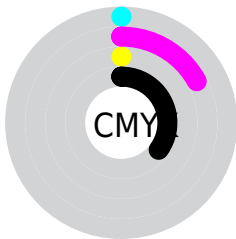
Distribution



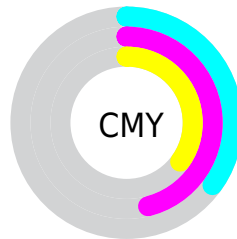
- Red (65%)
- Green (54%)
- Blue (65%)



- Red (65%)
- Yellow (54%)
- Blue (65%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (35%)



- Cyan (35%)
- Magenta (46%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6973, 29.0371, 40.0105 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 31.6973, 29.0371, 40.0105 by changing the saturation by 10% instead.

■ 31.6973, 29.0371,
40.0105

■ 31.6973, 29.0371,
40.0105

301.5079,
297.3900, 361.7212

■ 21.2848, 19.1089,
27.2329

■ 61.7047, 58.1360,
76.4168

■ 13.4460, 11.7490,
17.5142

■ 82.0302, 78.0755,
100.8825

■ 7.8155, 6.5730,
10.4360

■ 106.3909,
102.1209, 130.0813

■ 4.0279, 3.1965,
5.5796

135.1520,
130.6566, 164.4318

■ 1.7179, 1.2352,
2.5266

168.6789,
164.0669, 204.3525

■ 0.4675, 0.0902,
0.8542

207.3369,

■ 0.0000, 0.0000,

202.7363, 250.2620

0.0000

251.4915,
247.0492, 302.5787

■ 31.6973, 29.0371,
40.0105

■ 31.6973, 29.0371,
40.0105

■ 29.4957, 24.6334,
39.2769

■ 34.2647, 34.1714,
40.8667

■ 27.6407, 20.9235,
38.6585

■ 37.2107, 40.0633,
41.8488

■ 26.1156, 17.8732,
38.1500

■ 40.5506, 46.7431,
42.9621

■ 24.9009, 15.4439,
37.7451

■ 44.2983, 54.2385,
44.2114

■ 23.9754, 13.5930,
37.4365

■ 48.4668, 62.5756,
45.6010

■ 23.3151, 12.2724,
37.2164

■ 53.0687, 71.7794,
47.1351

■ 22.8922, 11.4266,
37.0753

■ 58.1160, 81.8739,
48.8176

■ 22.6655, 10.9732,
36.9997

■ 58.3693, 82.3804,
48.9021

■ 22.6090, 10.8603,
36.9808

■ 58.3693, 82.3804,
48.9021

Harmonies

Analogous

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



29.6841, 29.0371, 45.5894



31.6973, 29.0371, 40.0105



32.6142, 29.0371, 32.7363

Triad

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



31.6973, 29.0371, 40.0105



27.9872, 29.0371, 19.8939



23.5208, 29.0371, 37.8092

Complementary

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



31.6973, 29.0371, 40.0105



28.7060, 34.5116, 29.1947

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.



23.1260, 29.0371, 30.5225



31.6973, 29.0371, 40.0105



25.6137, 29.0371, 20.8373

Square

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



31.6973, 29.0371, 40.0105



30.3923, 29.0371, 21.6868



23.8699, 29.0371, 24.4871



24.9821, 29.0371, 44.1913

Rectangle

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



31.6973, 29.0371, 40.0105



32.4428, 29.0371, 28.1497



23.8699, 29.0371, 24.4871



23.2628, 29.0371, 35.3567

Sweetspot

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



31.6982, 29.0384, 40.0111



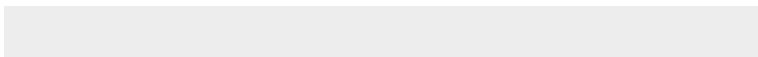
63.0831, 63.8107, 74.4671



26.4539, 26.3348, 39.7658



14.0397, 14.1254, 16.6386



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.



31.6982, 29.0384, 40.0111



56.0532, 49.7509, 72.1236



30.4828, 28.5522, 33.6113



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6764



0.4266, 0.2049, 0.6977

Inverse Universe

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



31.6982, 29.0384, 40.0111



56.0532, 49.7509, 72.1236



29.7860, 34.9435, 34.8817



7.8419, 7.6666, 9.4848



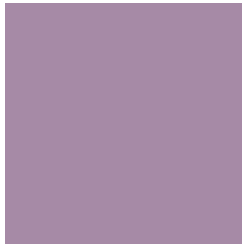
17.5319, 8.4215, 28.6764



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 31.6973, 29.0371, 40.0105 looks on a white background.

Color Contrast Check

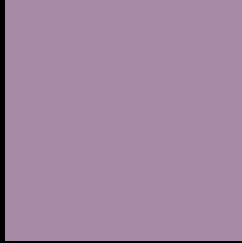
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6973, 29.0371, 40.0105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

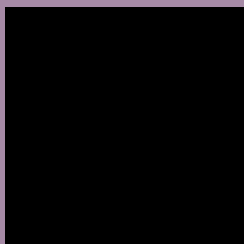
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6973, 29.0371, 40.0105

Background



This preview shows how black text looks on a background with the XYZ color 31.6973, 29.0371, 40.0105.



This preview shows how white text looks on a background with the XYZ color 31.6973, 29.0371,

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

31.6973, 29.0371, 40.0105

Protanopia

28.7849, 29.2488, 42.6565

Deuteranopia

29.7509, 29.1338, 39.6527



Tritanopia

30.4206, 29.1766, 33.3065

Trichromacy



Original Color

31.6973, 29.0371, 40.0105

Protanomaly

29.7464, 29.0888, 41.5830

Deuteranomaly

30.4170, 29.0355, 39.5986

Tritanomaly

30.8959, 29.1558, 35.4517

Monochromacy



Original Color

31.6973, 29.0371, 40.0105

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9899, 30.0260, 35.6674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6973, 29.0371, 40.0105 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(166, 138, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 138, 166)  
}
```

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(166, 138, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.6973, 29.0371, 40.0105 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(166, 138, 166) }
```


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

```
.border{ border-color:rgb(166, 138, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 138, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 138, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 138, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 138,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6973, 29.0371, 40.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 138, 166) }
```

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

```
.background{ background-color: rgb(166,  
138, 166) }
```

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