

Converting Colors

XYZ(31.4356, 28.6692, 41.0488)

Have a look what the booklet for
XYZ(31.4356, 28.6692, 41.0488)
contains.

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Color

**XYZ(31.3234, 28.6110,
40.9173)**

Conversions

Conversions Part 1

Format	Color
Hex	A489A8
RGB	164, 137, 168
RGB Percent	64%, 54%, 66%
CMY	0.3569, 0.4627, 0.3412
CMYK	0.02, 0.18, 0.00, 0.34
HSL	292°, 15%, 60%
HSV	292°, 18%, 66%
XYZ	31.3234, 28.6110, 40.9173
YIQ	148.6070, 6.1410, 15.3650

Conversions

Conversions Part 2

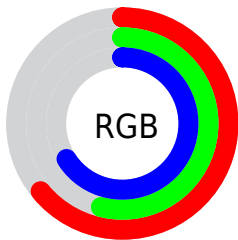
Format	Color
RYB	164, 137, 168
Decimal	10783144
CIELab	60.44, 15.90, -12.54
CIELCh	60, 20.247, 321.736
Yxy	28.6110, 0.3106, 0.2837
Android (android.graphics.Color)	4288973224 (0xFFA489A8)
YUV	148.6070, 9.5607, 13.4997
Hunter-Lab	53.4893, 10.9237, -7.9122

Details

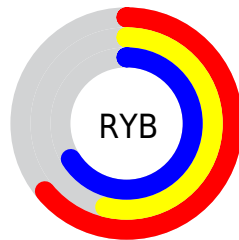
The XYZ color **31.3234, 28.6110, 40.9173** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **29.5035, 35.4748, 28.9607**, and the grayscale version is **28.3622, 29.8392, 32.4949**.

A 20% lighter version of the original color is **60.9462, 57.2147, 77.6434**, and **13.2427, 11.5221, 18.0490** is the 20% darker color. If you saturate the color by 10%, you get **28.6755, 23.9731, 40.1621**, and if you desaturate by 10%, it is **34.3525, 33.9990, 41.7981**.

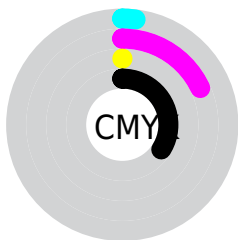
Distribution



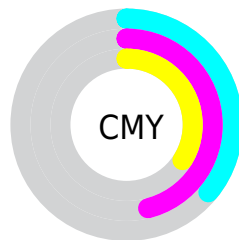
- Red (64%)
- Green (54%)
- Blue (66%)



- Red (64%)
- Yellow (54%)
- Blue (66%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (34%)



- Cyan (36%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3234, 28.6110, 40.9173 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 31.3234, 28.6110, 40.9173 by changing the saturation by 10% instead.

■ 31.3234, 28.6110,
40.9173

■ 31.3234, 28.6110,
40.9173

299.8258,
295.3751, 365.6413

■ 20.9983, 18.7867,
27.9353

■ 61.1213, 57.4585,
77.8106

■ 13.2352, 11.5163,
18.0382

■ 81.3247, 77.2505,
102.5590

■ 7.6688, 6.4152,
10.8077

■ 105.5516,
101.1338, 132.0666

■ 3.9338, 3.0992,
5.8252

134.1674,
129.4930, 166.7519

■ 1.6647, 1.1837,
2.6720

167.5373,
162.7123, 207.0335

■ 0.4340, 0.0484,
0.9293

206.0268,

■ 0.0000, 0.0000,

201.1761, 253.3299

0.0000

250.0012,
245.2689, 306.0596

■ 31.3234, 28.6110,
40.9173

■ 31.3234, 28.6110,
40.9173

■ 28.6755, 23.9731,
40.1621

■ 34.3525, 33.9990,
41.7981

■ 26.3890, 20.0474,
39.5249

■ 37.7764, 40.1654,
42.8078

■ 24.4462, 16.7979,
39.0000

■ 41.6109, 47.1419,
43.9523

■ 22.8269, 14.1843,
38.5809

■ 45.8705, 54.9569,
45.2363

■ 21.5088, 12.1619,
38.2600

■ 50.5688, 63.6377,
46.6642

■ 20.4666, 10.6801,
38.0289

■ 55.7187, 73.2103,
48.2405

■ 19.6707, 9.6800,
37.8778

■ 61.3328, 83.6996,
49.9692

■ 19.0679, 9.0553,
37.7890

■ 61.9645, 84.2124,
50.0349

■ 18.9797, 8.9679,
37.7768

■ 62.4781, 84.4772,
50.0590

Harmonies

Analogous

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



29.0932, 28.6110, 46.4841



31.3234, 28.6110, 40.9173



32.4633, 28.6110, 33.2621

Triad

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



31.3234, 28.6110, 40.9173



27.9209, 28.6110, 18.9940



22.7976, 28.6110, 36.7783

Complementary

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



31.3234, 28.6110, 40.9173



29.5035, 35.4748, 28.9607

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.



22.5280, 28.6110, 29.1340



31.3234, 28.6110, 40.9173



25.3791, 28.6110, 19.6278

Square

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



31.3234, 28.6110, 40.9173



30.4184, 28.6110, 21.1840



23.4443, 28.6110, 23.0798



24.2058, 28.6110, 43.8410

Rectangle

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



31.3234, 28.6110, 40.9173



32.4039, 28.6110, 28.3222



23.4443, 28.6110, 23.0798



22.5746, 28.6110, 34.1654

Sweetspot

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



31.3243, 28.6122, 40.9179



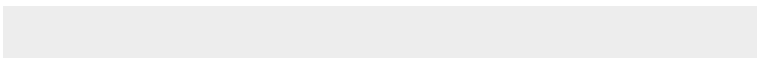
63.7259, 64.1855, 76.2554



26.9302, 27.2360, 40.8839



13.8092, 13.8456, 16.5968



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.



31.3243, 28.6122, 40.9179



54.8611, 48.4339, 73.6823



31.1495, 28.6392, 35.6214



7.7453, 7.6168, 9.4803



14.3628, 6.7877, 28.5286



0.3750, 0.1783, 0.6953

Inverse Universe

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



29.9028, 28.1405, 29.0562



51.8405, 47.4383, 48.1652



29.6945, 35.4741, 33.4526



7.5691, 7.5575, 8.0479



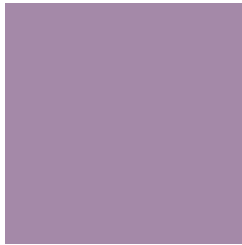
12.3129, 6.3339, 1.1934



0.3111, 0.1587, 0.0898

Previews

White Background



This preview shows how the XYZ color 31.3234, 28.6110, 40.9173 looks on a white background.

Color Contrast Check

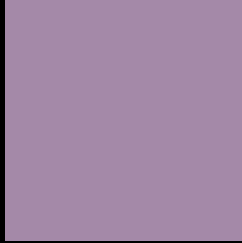
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3234, 28.6110, 40.9173 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 31.3234, 28.6110, 40.9173

Background



This preview shows how black text looks on a background with the XYZ color 31.3234, 28.6110, 40.9173.



This preview shows how white text looks on a background with the XYZ color 31.3234, 28.6110,

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

31.3234, 28.6110, 40.9173

Protanopia

28.4834, 28.8434, 43.6013

Deuteranopia

29.2257, 28.6201, 40.5431



Tritanopia

29.8643, 28.6719, 33.2384

Trichromacy



Original Color

31.3234, 28.6110, 40.9173

Protanomaly

29.4181, 28.6758, 42.5126

Deuteranomaly

29.8707, 28.5147, 40.4888

Tritanomaly

30.4227, 28.6861, 35.8318

Monochromacy



Original Color

31.3234, 28.6110, 40.9173

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.4526, 29.5211, 35.5983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3234, 28.6110, 40.9173 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(164, 137, 168)` looks like.

```
.text, #text, p{  
    color:rgb(164, 137, 168)  
}
```

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(164, 137, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 137, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.3234, 28.6110, 40.9173 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(164, 137, 168) }
```


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

```
.border{ border-color:rgb(164, 137, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 137, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 137, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 137, 168);  
box-shadow:4px 4px 4px 4px rgb(164, 137,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3234, 28.6110, 40.9173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 137, 168) }
```

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

```
.background{ background-color: rgb(164,  
137, 168) }
```

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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