

Converting Colors

XYZ(31.6242, 29.1722, 37.6442)

Have a look what the booklet for
XYZ(31.6242, 29.1722, 37.6442)
contains.

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Color

**XYZ(31.6020, 29.2539,
37.6992)**

Conversions

Conversions Part 1

Format	Color
Hex	A78BA1
RGB	167, 139, 161
RGB Percent	65%, 55%, 63%
CMY	0.3451, 0.4549, 0.3686
CMYK	0.00, 0.17, 0.04, 0.35
HSL	313°, 14%, 60%
HSV	313°, 17%, 65%
XYZ	31.6020, 29.2539, 37.6992
YIQ	149.8800, 9.6260, 12.7780

Conversions

Conversions Part 2

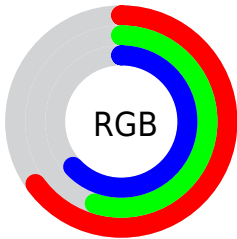
Format	Color
RYB	167, 139, 161
Decimal	10980257
CIELab	61.01, 14.47, -7.67
CIElCh	61, 16.377, 332.067
Yxy	29.2539, 0.3207, 0.2968
Android (android.graphics.Color)	4289170337 (0xFFA78BA1)
YUV	149.8800, 5.4822, 15.0142
Hunter-Lab	54.0869, 9.6423, -3.4650

Details

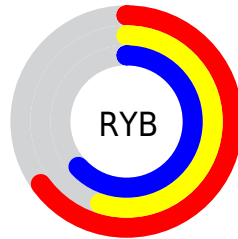
The XYZ color **31.6020, 29.2539, 37.6992** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.5781, 35.1716, 32.0195**, and the grayscale version is **28.9139, 30.4197, 33.1270**.

A 20% lighter version of the original color is **61.5888, 58.6274, 73.0359**, and **13.4029, 11.8937, 16.0573** is the 20% darker color. If you saturate the color by 10%, you get **29.0554, 24.6581, 35.3156**, and if you desaturate by 10%, it is **34.5288, 34.5946, 40.2548**.

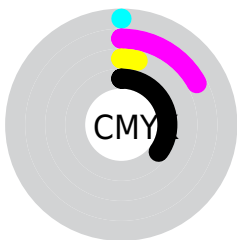
Distribution



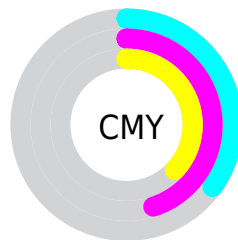
- Red (65%)
- Green (55%)
- Blue (63%)



- Red (65%)
- Yellow (55%)
- Blue (63%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (35%)





- Cyan (35%)
- Magenta (45%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6020, 29.2539, 37.6992 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 31.6020, 29.2539, 37.6992 by changing the saturation by 10% instead.


 31.6020, 29.2539,
37.6992


 31.6020, 29.2539,
37.6992


301.0798,
298.4110, 351.5873


 21.2118, 19.2730,
25.4493


 61.5560, 58.4802,
72.8452

 13.3922, 11.8677,
16.1901


 81.8506, 78.4944,
96.5783

 7.7780, 6.6536,
9.5029


 106.1772,
102.6219, 124.9762

 4.0039, 3.2465,
4.9694

134.9013,
131.2469, 158.4576

 1.7043, 1.2617,
2.1709

168.3883,
164.7539, 197.4408

 0.4590, 0.1113,
0.6575

207.0035,

 0.0000, 0.0000,

203.5274, 242.3444

0.0000

251.1122,
247.9516, 293.5871

■ 31.6020, 29.2539,
37.6992

■ 31.6020, 29.2539,
37.6992

■ 29.0554, 24.6581,
35.3156

■ 34.5288, 34.5946,
40.2548

■ 26.8695, 20.7700,
33.0961

■ 37.8488, 40.7078,
42.9860

■ 25.0272, 17.5548,
31.0350

■ 41.5778, 47.6241,
45.8989

■ 23.5089, 14.9734,
29.1254

■ 45.7298, 55.3716,
48.9985

■ 22.2928, 12.9824,
27.3596

■ 50.3182, 63.9769,
52.2895

■ 21.3545, 11.5333,
25.7290

■ 55.3557, 73.4655,
55.7766

■ 20.6657, 10.5695,
24.2240

■ 60.5653, 83.2831,
59.3677

■ 20.1854, 10.0090,
22.8304

■ 60.9508, 83.4373,
61.3978

■ 20.0476, 9.8600,
22.3943

■ 61.3459, 83.5953,
63.4785

Harmonies

Analogous

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



30.0478, 29.2539, 42.9217



31.6020, 29.2539, 37.6992



32.1241, 29.2539, 31.4292

Triad

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



31.6020, 29.2539, 37.6992



27.6568, 29.2539, 21.4655



24.4610, 29.2539, 38.5292

Complementary

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



31.6020, 29.2539, 37.6992



29.5781, 35.1716, 32.0195

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.



23.8914, 29.2539, 32.2796



31.6020, 29.2539, 37.6992



25.6766, 29.2539, 22.8716

Square

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



31.6020, 29.2539, 37.6992



29.7778, 29.2539, 22.5323



24.3249, 29.2539, 26.6439



25.9212, 29.2539, 43.4426

Rectangle

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



31.6020, 29.2539, 37.6992



31.7962, 29.2539, 27.6262



24.3249, 29.2539, 26.6439



24.1625, 29.2539, 36.4893

Sweetspot

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



31.6029, 29.2552, 37.6998



62.7835, 63.6908, 72.8894



27.8156, 27.2401, 40.3516



13.9638, 14.0950, 16.2391



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.



31.6029, 29.2552, 37.6998



54.8802, 49.2817, 65.9463



30.4679, 28.8012, 31.7232



7.7720, 7.6387, 9.1167



15.3589, 7.5523, 17.2333



0.3904, 0.1904, 0.5075

Inverse Universe

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



31.6029, 29.2552, 37.6998



54.8802, 49.2817, 65.9463



30.6905, 35.6165, 37.8772



7.7720, 7.6387, 9.1167



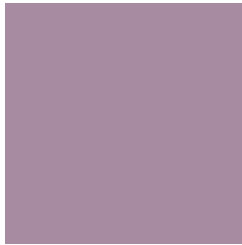
15.3589, 7.5523, 17.2333



0.3904, 0.1904, 0.5075

Previews

White Background



This preview shows how the XYZ color 31.6020, 29.2539, 37.6992 looks on a white background.

Color Contrast Check

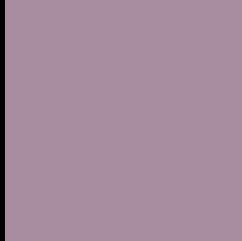
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6020, 29.2539, 37.6992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

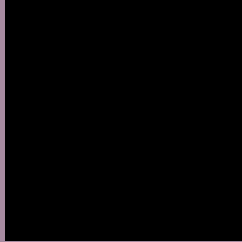
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6020, 29.2539, 37.6992

Background



This preview shows how black text looks on a background with the XYZ color 31.6020, 29.2539, 37.6992.



This preview shows how white text looks on a background with the XYZ color 31.6020, 29.2539,

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

31.6020, 29.2539, 37.6992

Protanopia

28.8389, 29.3307, 40.2178

Deuteranopia

29.8779, 29.2509, 37.3290



Tritanopia

30.9183, 29.4237, 33.7555

Trichromacy



Original Color

31.6020, 29.2539, 37.6992

Protanomaly

29.6602, 29.0976, 39.1751

Deuteranomaly

30.5154, 29.3577, 37.3160

Tritanomaly

31.0204, 29.2297, 35.0173

Monochromacy



Original Color

31.6020, 29.2539, 37.6992

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.8219, 29.9588, 34.7827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6020, 29.2539, 37.6992 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(167, 139, 161)` looks like.

```
.text, #text, p{  
    color:rgb(167, 139, 161)  
}
```

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(167, 139, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 139, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.6020, 29.2539, 37.6992 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(167, 139, 161) }
```


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

```
.border{ border-color:rgb(167, 139, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 139, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 139, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 139, 161); box-shadow:4px 4px 4px 4px rgb(167, 139, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6020, 29.2539, 37.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 139, 161) }
```

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

```
.background{ background-color: rgb(167,  
139, 161) }
```

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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