

Converting Colors

XYZ(31.6414, 29.4893, 37.3281)

Have a look what the booklet for
XYZ(31.6414, 29.4893, 37.3281)
contains.

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Color

**XYZ(31.6596, 29.5097,
37.2850)**

Conversions

Conversions Part 1

Format	Color
Hex	A78CA0
RGB	167, 140, 160
RGB Percent	65%, 55%, 63%
CMY	0.3451, 0.4510, 0.3725
CMYK	0.00, 0.16, 0.04, 0.35
HSL	316°, 13%, 60%
HSV	316°, 16%, 65%
XYZ	31.6596, 29.5097, 37.2850
YIQ	150.3530, 9.6720, 11.9440

Conversions

Conversions Part 2

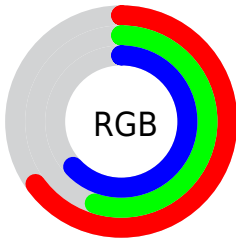
Format	Color
R_{YB}	167, 140, 160
Decimal	10980512
CIE _{Lab}	61.23, 13.71, -6.77
CIE _{LCh}	61, 15.294, 333.729
Yxy	29.5097, 0.3216, 0.2997
Android (android.graphics.Color)	4289170592 (0xFFA78CA0)
YUV	150.3530, 4.7560, 14.5994
Hunter-Lab	54.3228, 8.9657, -2.6683

Details

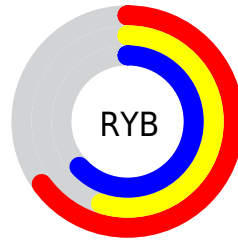
The XYZ color **31.6596, 29.5097, 37.2850** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9015, 35.3203, 32.8469**, and the grayscale version is **29.1176, 30.6340, 33.3604**.

A 20% lighter version of the original color is **61.6817, 59.0195, 72.4309**, and **13.4867, 12.0613, 16.0852** is the 20% darker color. If you saturate the color by 10%, you get **29.0302, 24.8462, 34.5722**, and if you desaturate by 10%, it is **34.6743, 34.9218, 40.1920**.

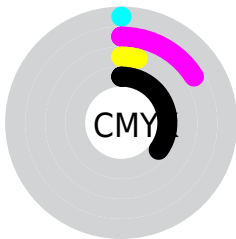
Distribution



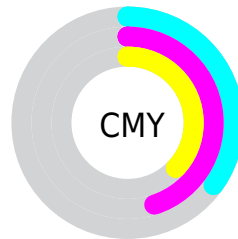
- Red (65%)
- Green (55%)
- Blue (63%)



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



- Cyan (0%)
- Magenta (16%)
- Yellow (4%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6596, 29.5097, 37.2850 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 31.6596, 29.5097, 37.2850 by changing the saturation by 10% instead.

■ 31.6596, 29.5097,
37.2850

■ 31.6596, 29.5097,
37.2850

301.3386,
299.6123, 349.7485

■ 21.2559, 19.4667,
25.1307

■ 61.6459, 58.8859,
72.2021

■ 13.4247, 12.0080,
15.9546

■ 81.9592, 78.9880,
95.8020

■ 7.8007, 6.7491,
9.3380

■ 106.3064,
103.2119, 124.0542

■ 4.0184, 3.3057,
4.8625

135.0529,
131.9419, 157.3773

■ 1.7125, 1.2933,
2.1095

168.5640,
165.5626, 196.1897

■ 0.4641, 0.1360,
0.6214

207.2051,

■ 0.0000, 0.0000,

204.4583, 240.9100

0.0000

251.3415,
249.0134, 291.9568

■ 31.6596, 29.5097,
37.2850

■ 31.6596, 29.5097,
37.2850

■ 29.0302, 24.8462,
34.5722

■ 34.6743, 34.9218,
40.1920

■ 26.7667, 20.8940,
32.0456

■ 38.0874, 41.1098,
43.2972

■ 24.8519, 17.6186,
29.6989

■ 41.9146, 48.1045,
46.6068

■ 23.2662, 14.9810,
27.5251

■ 46.1699, 55.9336,
50.1261

■ 21.9881, 12.9381,
25.5162

■ 50.8668, 64.6239,
53.8603

■ 20.9932, 11.4417,
23.6635

■ 56.0179, 74.2007,
57.8141

■ 20.2535, 10.4359,
21.9569

■ 61.0250, 83.4670,
61.7887

■ 19.7308, 9.8445,
20.3829

■ 61.5065, 83.6596,
64.3242

■ 19.5557, 9.6632,
19.8037

■ 62.0022, 83.8579,
66.9345

Harmonies

Analogous

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



30.2500, 29.5097, 42.2470



31.6596, 29.5097, 37.2850



32.0855, 29.5097, 31.4162

Triad

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



31.6596, 29.5097, 37.2850



27.7974, 29.5097, 22.3005



24.9541, 29.5097, 38.6795

Complementary

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



31.6596, 29.5097, 37.2850



29.9015, 35.3203, 32.8469

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.



24.3644, 29.5097, 32.8566



31.6596, 29.5097, 37.2850



25.9557, 29.5097, 23.7744

Square

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



31.6596, 29.5097, 37.2850



29.7943, 29.5097, 23.1901



24.7222, 29.5097, 27.4754



26.3715, 29.5097, 43.1172

Rectangle

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



31.6596, 29.5097, 37.2850



31.7382, 29.5097, 27.8782



24.7222, 29.5097, 27.4754



24.6557, 29.5097, 36.7958

Sweetspot

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



31.6605, 29.5110, 37.2856



62.7212, 63.6659, 72.5611



28.3422, 27.7276, 40.4179



13.9481, 14.0887, 16.1560



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.



31.6605, 29.5110, 37.2856



55.1310, 50.0545, 65.1940



30.5623, 29.0717, 31.5029



7.7576, 7.6329, 9.0407



14.9847, 7.4026, 15.2630



0.3837, 0.1878, 0.4721

Inverse Universe

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



31.6605, 29.5110, 37.2856



55.1310, 50.0545, 65.1940



31.0020, 35.7605, 38.6418



7.7576, 7.6329, 9.0407



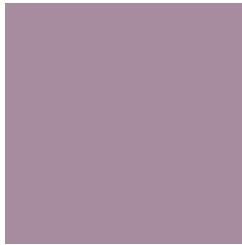
14.9847, 7.4026, 15.2630



0.3837, 0.1878, 0.4721

Previews

White Background



This preview shows how the XYZ color 31.6596, 29.5097, 37.2850 looks on a white background.

Color Contrast Check

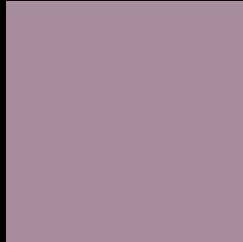
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6596, 29.5097, 37.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

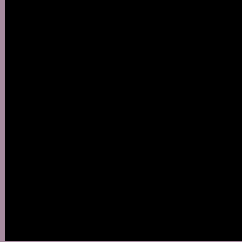
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6596, 29.5097, 37.2850

Background



This preview shows how black text looks on a background with the XYZ color 31.6596, 29.5097, 37.2850.



This preview shows how white text looks on a background with the XYZ color 31.6596, 29.5097,

37.2850.

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

31.6596, 29.5097, 37.2850

Protanopia

28.9886, 29.6588, 39.3188

Deuteranopia

30.1359, 29.6178, 36.9294



Tritanopia

30.9183, 29.4237, 33.7555

Trichromacy



Original Color

31.6596, 29.5097, 37.2850

Protanomaly

29.9105, 29.4609, 38.7604

Deuteranomaly

30.7784, 29.7252, 36.9162

Tritanomaly

31.1672, 29.5233, 35.0662

Monochromacy



Original Color

31.6596, 29.5097, 37.2850

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 31.6596, 29.5097, 37.2850 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, 140, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 140, 160)  
}
```

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, 140, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 140, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.6596, 29.5097, 37.2850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

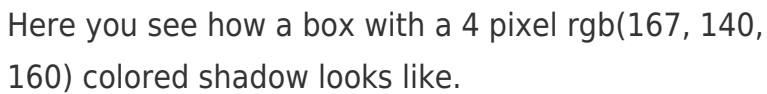
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 140, 160) }
```


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

```
.border{ border-color:rgb(167, 140, 160) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 140, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 140, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 140, 160); box-shadow:4px 4px 4px 4px rgb(167, 140, 160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6596, 29.5097, 37.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 140, 160) }
```

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

```
.background{ background-color: rgb(167,  
140, 160) }
```

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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