

Converting Colors

XYZ(31.1734, 26.6851, 37.4603)

Have a look what the booklet for
XYZ(31.1734, 26.6851, 37.4603)
contains.

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Color

**XYZ(31.2540, 26.8176,
37.7115)**

Conversions

Conversions Part 1

Format	Color
Hex	AC80A2
RGB	172, 128, 162
RGB Percent	67%, 50%, 64%
CMY	0.3255, 0.4980, 0.3647
CMYK	0.00, 0.26, 0.06, 0.33
HSL	314°, 21%, 59%
HSV	314°, 26%, 67%
XYZ	31.2540, 26.8176, 37.7115
YIQ	145.0320, 15.3100, 19.9020

Conversions

Conversions Part 2

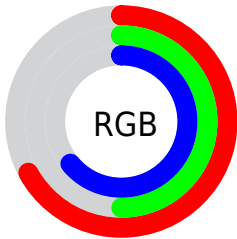
Format	Color
R_{YB}	172, 128, 162
Decimal	11305122
CIE _{Lab}	58.81, 22.68, -11.48
CIE _{LCh}	59, 25.416, 333.148
Yxy	26.8176, 0.3263, 0.2800
Android (android.graphics.Color)	4289495202 (0xFFAC80A2)
YUV	145.0320, 8.3652, 23.6509
Hunter-Lab	51.7857, 17.1043, -6.9263

Details

The XYZ color **31.2540, 26.8176, 37.7115** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.2431, 35.9300, 29.4929**, and the grayscale version is **26.8900, 28.2904, 30.8082**.

A 20% lighter version of the original color is **61.0432, 54.5515, 72.9578**, and **13.1466, 10.4965, 16.0850** is the 20% darker color. If you saturate the color by 10%, you get **28.8559, 22.5686, 35.2244**, and if you desaturate by 10%, it is **34.0448, 31.8338, 40.3834**.

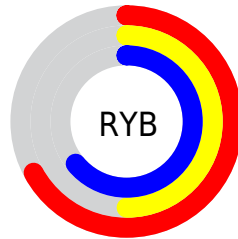
Distribution



Red (67%)

Green (50%)

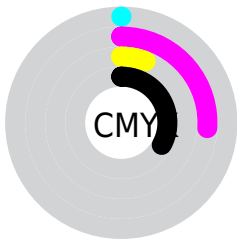
Blue (64%)



Red (67%)

Yellow (50%)

Blue (64%)

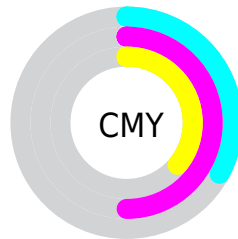


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2540, 26.8176, 37.7115 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 31.2540, 26.8176, 37.7115 by changing the saturation by 10% instead.

■ 31.2540, 26.8176,
37.7115

■ 31.2540, 26.8176,
37.7115

299.5128,
286.7729, 351.6418

■ 20.9451, 17.4363,
25.4588

■ 61.0129, 54.5910,
72.8642

■ 13.1961, 10.5460,
16.1971

■ 81.1936, 73.7519,
96.6013

■ 7.6417, 5.7625,
9.5078

■ 105.3956, 96.9415,
125.0036

■ 3.9164, 2.7012,
4.9726

133.9843,
124.5441, 158.4896

■ 1.6549, 0.9778,
2.1727

167.3250,
156.9442, 197.4779

■ 0.4278, 0.0000,
0.6586

205.7831,

■ 0.0000, 0.0000,

194.5260, 242.3870

0.0000

249.7239,
237.6741, 293.6354

■ 31.2540, 26.8176,
37.7115

■ 31.2540, 26.8176,
37.7115

■ 28.8559, 22.5686,
35.2244

■ 34.0448, 31.8338,
40.3834

■ 26.8289, 19.0450,
32.9135

■ 37.2437, 37.6495,
43.2449

■ 25.1528, 16.2062,
30.7719

■ 40.8685, 44.2991,
46.3026

■ 23.8045, 14.0063,
28.7914

■ 44.9349, 51.8143,
49.5622

■ 22.7582, 12.3936,
26.9630

■ 49.4580, 60.2248,
53.0292

■ 21.9839, 11.3084,
25.2760

■ 54.4519, 69.5592,
56.7088

■ 21.4435, 10.6748,
23.7175

■ 59.9305, 79.8447,
60.6059

■ 21.2407, 10.4616,
23.0564

■ 62.4299, 84.1533,
63.5665

■ 62.8728, 84.3305,
65.8984

Harmonies

Analogous

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



28.9293, 26.8176, 46.1686



31.2540, 26.8176, 37.7115



31.9939, 26.8176, 28.2620

Triad

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



31.2540, 26.8176, 37.7115



25.1597, 26.8176, 15.1325



20.7685, 26.8176, 39.6927

Complementary

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



31.2540, 26.8176, 37.7115



28.2431, 35.9300, 29.4929

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.



19.9322, 26.8176, 30.1582



31.2540, 26.8176, 37.7115



22.3334, 26.8176, 17.0002

Square

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



31.2540, 26.8176, 37.7115



28.3099, 26.8176, 16.3477



20.4810, 26.8176, 22.0761



22.8626, 26.8176, 47.4673

Rectangle

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



31.2540, 26.8176, 37.7115



31.4430, 26.8176, 22.9259



20.4810, 26.8176, 22.0761



20.3391, 26.8176, 36.5251

Sweetspot

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



31.2548, 26.8188, 37.7121



66.0046, 65.4542, 77.0875



25.5709, 23.7818, 42.2728



14.1547, 13.8795, 16.5851



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2548, 26.8188, 37.7121



54.0164, 43.8825, 65.6783



29.5015, 26.1175, 28.4792



8.2580, 8.1165, 9.6695



15.8279, 7.7937, 17.2708



0.4592, 0.2244, 0.5800

Inverse Universe

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



31.2548, 26.8188, 37.7121



54.0164, 43.8825, 65.6783



29.9599, 36.6167, 38.5335



8.2580, 8.1165, 9.6695



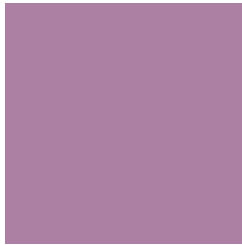
15.8279, 7.7937, 17.2708



0.4592, 0.2244, 0.5800

Previews

White Background



This preview shows how the XYZ color 31.2540, 26.8176, 37.7115 looks on a white background.

Color Contrast Check

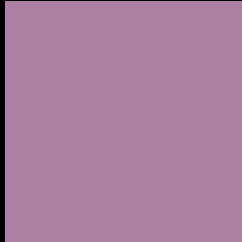
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2540, 26.8176, 37.7115 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 31.2540, 26.8176, 37.7115

Background



This preview shows how black text looks on a background with the XYZ color 31.2540, 26.8176, 37.7115.



This preview shows how white text looks on a background with the XYZ color 31.2540, 26.8176,

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

31.2540, 26.8176, 37.7115

Protanopia

26.6255, 26.8093, 41.8016

Deuteranopia

27.4663, 26.9181, 37.0058



Tritanopia

29.4959, 26.8905, 29.2270

Trichromacy



Original Color

31.2540, 26.8176, 37.7115

Protanomaly

27.9920, 26.6942, 40.2364

Deuteranomaly

28.6684, 26.6913, 37.3592

Tritanomaly

30.1187, 26.9486, 32.0479

Monochromacy



Original Color

31.2540, 26.8176, 37.7115

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.3361, 27.6682, 33.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2540, 26.8176, 37.7115 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(172, 128, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 128, 162)  
}
```

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(172, 128, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 128, 162) }
```

Border

The CSS property to change the border of an element to XYZ 31.2540, 26.8176, 37.7115 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(172, 128, 162) }
```


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

```
.border{ border-color:rgb(172, 128, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 128, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 128, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 128, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 128,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2540, 26.8176, 37.7115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 128, 162) }
```

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

```
.background{ background-color: rgb(172,  
128, 162) }
```

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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