

Converting Colors

XYZ(30.7690, 24.9167, 41.6409)

Have a look what the booklet for
XYZ(30.7690, 24.9167, 41.6409)
contains.

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Color

**XYZ(30.8617, 25.0311,
41.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	AB78AB
RGB	171, 120, 171
RGB Percent	67%, 47%, 67%
CMY	0.3294, 0.5294, 0.3294
CMYK	0.00, 0.30, 0.00, 0.33
HSL	300°, 23%, 57%
HSV	300°, 30%, 67%
XYZ	30.8617, 25.0311, 41.7330
YIQ	141.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

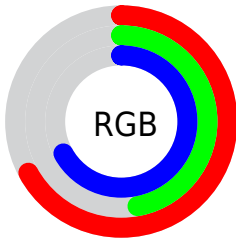
Format	Color
R _Y B	171, 120, 171
Decimal	11237547
CIE Lab	57.11, 28.55, -19.23
CIE LCh	57, 34.425, 326.031
Yxy	25.0311, 0.3161, 0.2564
Android (android.graphics.Color)	4289427627 (0xFFAB78AB)
YUV	141.0630, 14.7589, 26.2547
Hunter-Lab	50.0311, 22.5534, -14.4345

Details

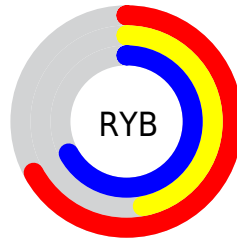
The XYZ color **30.8617, 25.0311, 41.7330** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.6998, 34.4757, 23.0705**, and the grayscale version is **25.2829, 26.5995, 28.9669**.

A 20% lighter version of the original color is **60.3496, 51.7090, 78.7516**, and **12.9911, 9.5638, 18.6140** is the 20% darker color. If you saturate the color by 10%, you get **28.9862, 21.2797, 41.1081**, and if you desaturate by 10%, it is **33.1060, 29.5192, 42.4814**.

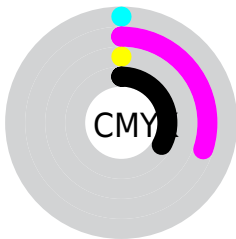
Distribution



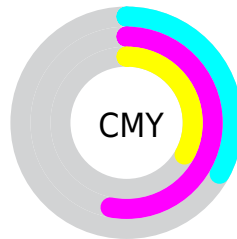
- Red (67%)
- Green (47%)
- Blue (67%)



- Red (67%)
- Yellow (47%)
- Blue (67%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8617, 25.0311, 41.7330 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 30.8617, 25.0311, 41.7330 by changing the saturation by 10% instead.

■ 30.8617, 25.0311,
41.7330

■ 30.8617, 25.0311,
41.7330

297.7389,
277.9928, 369.1419

■ 20.6449, 16.1002,
28.5683

■ 60.3996, 51.7077,
79.0611

■ 12.9756, 9.5951,
18.5117

■ 80.4514, 70.2222,
104.0615

■ 7.4887, 5.1313,
11.1448

■ 104.5122, 92.7000,
133.8443

■ 3.8186, 2.3245,
6.0489

132.9473,
119.5255, 168.8279

■ 1.6000, 0.7866,
2.8056

166.1222,
151.0832, 209.4310

■ 0.3924, 0.0000,
0.9962

204.4022,

■ 0.0000, 0.0000,

187.7573, 256.0719

0.0000

248.1527,
229.9324, 309.1694

■ 30.8617, 25.0311,
41.7330

■ 30.8617, 25.0311,
41.7330

■ 28.9862, 21.2797,
41.1081

■ 33.1060, 29.5192,
42.4814

■ 27.4577, 18.2226,
40.5985

■ 35.7349, 34.7769,
43.3577

■ 26.2555, 15.8182,
40.1978

■ 38.7660, 40.8392,
44.3681

■ 25.3559, 14.0191,
39.8979

■ 42.2153, 47.7377,
45.5179

■ 24.7320, 12.7714,
39.6899

■ 46.0977, 55.5027,
46.8121

■ 24.3523, 12.0118,
39.5633

■ 50.4277, 64.1626,
48.2555

■ 24.1488, 11.6049,
39.4954

■ 55.2188, 73.7447,
49.8525

■ 24.1455, 11.5983,
39.4943

■ 59.9056, 83.1184,
51.4148

■ 59.9056, 83.1184,
51.4149

Harmonies

Analogous

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



27.3800, 25.0311, 52.6479



30.8617, 25.0311, 41.7330



32.4487, 25.0311, 28.8296

Triad

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



30.8617, 25.0311, 41.7330



24.3351, 25.0311, 10.4954



17.4501, 25.0311, 38.2766

Complementary

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



30.8617, 25.0311, 41.7330



25.6998, 34.4757, 23.0705

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.



16.8295, 25.0311, 25.7381



30.8617, 25.0311, 41.7330



20.5307, 25.0311, 11.7103

Square

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



30.8617, 25.0311, 41.7330



28.4194, 25.0311, 12.6126



17.8928, 25.0311, 16.5844



19.6951, 25.0311, 50.2868

Rectangle

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



30.8617, 25.0311, 41.7330



32.1000, 25.0311, 21.5410



17.8928, 25.0311, 16.5844



17.0564, 25.0311, 33.8985

Sweetspot

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



30.8625, 25.0322, 41.7335



64.3362, 62.9582, 77.7631



21.8140, 20.3675, 41.3102



14.1869, 13.7193, 17.2880



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.



30.8625, 25.0322, 41.7335



52.9136, 40.1130, 73.9554



28.6614, 24.1518, 30.1428



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Inverse Universe

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



30.8625, 25.0322, 41.7335



52.9136, 40.1130, 73.9554



27.4590, 35.1794, 32.3347



8.3371, 8.1481, 10.0860



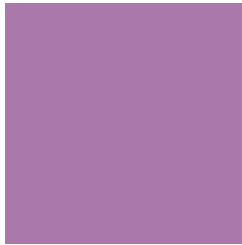
18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 30.8617, 25.0311, 41.7330 looks on a white background.

Color Contrast Check

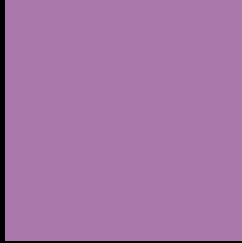
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8617, 25.0311, 41.7330 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 30.8617, 25.0311, 41.7330

Background



This preview shows how black text looks on a background with the XYZ color 30.8617, 25.0311, 41.7330.



This preview shows how white text looks on a background with the XYZ color 30.8617, 25.0311,

41.7330.

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

30.8617, 25.0311, 41.7330

Protanopia

25.5598, 25.2708, 47.7866

Deuteranopia

25.5847, 25.0282, 40.5283



Tritanopia

27.7592, 25.0633, 26.6672

Trichromacy



Original Color

30.8617, 25.0311, 41.7330

Protanomaly

27.0030, 24.8423, 45.4913

Deuteranomaly

27.2244, 24.8610, 40.8999

Tritanomaly

28.7809, 24.9101, 31.7250

Monochromacy



Original Color

30.8617, 25.0311, 41.7330

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.0039, 25.7175, 33.2465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8617, 25.0311, 41.7330 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(171, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 171)  
}
```

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(171, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 30.8617, 25.0311, 41.7330 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(171, 120, 171) }
```


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

```
.border{ border-color:rgb(171, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8617, 25.0311, 41.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 171) }
```

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

```
.background{ background-color: rgb(171,  
120, 171) }
```

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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