

Converting Colors

XYZ(30.6376, 24.8451, 41.6340)

Have a look what the booklet for
XYZ(30.6376, 24.8451, 41.6340)
contains.

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Color

**XYZ(30.6447, 24.9193,
41.7228)**

Conversions

Conversions Part 1

Format	Color
Hex	AA78AB
RGB	170, 120, 171
RGB Percent	67%, 47%, 67%
CMY	0.3333, 0.5294, 0.3294
CMYK	0.01, 0.30, 0.00, 0.33
HSL	299°, 23%, 57%
HSV	299°, 30%, 67%
XYZ	30.6447, 24.9193, 41.7228
YIQ	140.7640, 13.4290, 26.4610

Conversions

Conversions Part 2

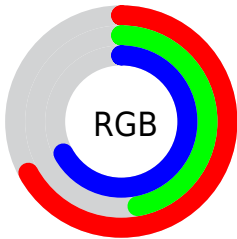
Format	Color
R _Y B	170, 120, 171
Decimal	11172011
CIE Lab	57.00, 28.21, -19.41
CIE LCh	57, 34.245, 325.471
Yxy	24.9193, 0.3150, 0.2561
Android (android.graphics.Color)	4289362091 (0xFFAA78AB)
YUV	140.7640, 14.9063, 25.6400
Hunter-Lab	49.9192, 22.2199, -14.6115

Details

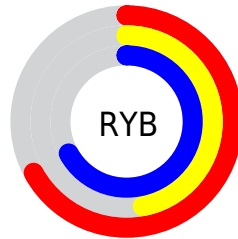
The XYZ color **30.6447, 24.9193, 41.7228** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.8391, 34.5475, 23.0771**, and the grayscale version is **25.1656, 26.4762, 28.8326**.

A 20% lighter version of the original color is **60.0351, 51.5469, 78.7369**, and **12.8561, 9.4941, 18.6077** is the 20% darker color. If you saturate the color by 10%, you get **28.6968, 21.1306, 41.0945**, and if you desaturate by 10%, it is **32.9616, 29.4448, 42.4746**.

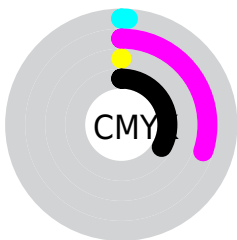
Distribution



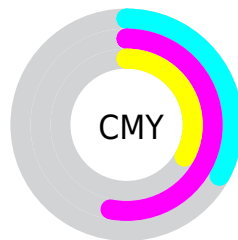
- Red (67%)
- Green (47%)
- Blue (67%)



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



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6447, 24.9193, 41.7228 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 30.6447, 24.9193, 41.7228 by changing the saturation by 10% instead.

■ 30.6447, 24.9193,
41.7228

■ 30.6447, 24.9193,
41.7228

296.7543,
277.4358, 369.0983

■ 20.4789, 16.0169,
28.5604

■ 60.0599, 51.5263,
79.0455

■ 12.8539, 9.5361,
18.5058

■ 80.0401, 69.9997,
104.0428

■ 7.4044, 5.0925,
11.1405

■ 104.0224, 92.4322,
133.8221

■ 3.7648, 2.3016,
6.0461

132.3723,
119.2083, 168.8020

■ 1.5700, 0.7746,
2.8039

165.4551,
150.7123, 209.4011

■ 0.3727, 0.0000,
0.9954

203.6361,

■ 0.0000, 0.0000,

187.3286, 256.0378

0.0000

247.2807,
229.4417, 309.1306

■ 30.6447, 24.9193,
41.7228

■ 30.6447, 24.9193,
41.7228

■ 28.6968, 21.1306,
41.0945

■ 32.9616, 29.4448,
42.4746

■ 27.0961, 18.0362,
40.5816

■ 35.6632, 34.7401,
43.3543

■ 25.8219, 15.5947,
40.1775

■ 38.7672, 40.8399,
44.3680

■ 24.8505, 13.7585,
39.8743

■ 42.2896, 47.7761,
45.5212

■ 24.1550, 12.4739,
39.6630

■ 46.2454, 55.5788,
46.8188

■ 23.7038, 11.6775,
39.5331

■ 50.6488, 64.2766,
48.2656

■ 23.4290, 11.2338,
39.4619

■ 55.5136, 73.8967,
49.8660

■ 23.4244, 11.2266,
39.4608

■ 60.2742, 83.3084,
51.4318

■ 60.3483, 83.3466,
51.4352

Harmonies

Analogous

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



27.1691, 24.9193, 52.4427



30.6447, 24.9193, 41.7228



32.2612, 24.9193, 28.9195

Triad

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



30.6447, 24.9193, 41.7228



24.3009, 24.9193, 10.5010



17.3667, 24.9193, 37.8162

Complementary

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



30.6447, 24.9193, 41.7228



25.8391, 34.5475, 23.0771

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.



16.7818, 24.9193, 25.4214



30.6447, 24.9193, 41.7228



20.5124, 24.9193, 11.6470

Square

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



30.6447, 24.9193, 41.7228



28.3446, 24.9193, 12.6707



17.8680, 24.9193, 16.4154



19.5664, 24.9193, 49.7758

Rectangle

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



30.6447, 24.9193, 41.7228



31.9476, 24.9193, 21.6431



17.8680, 24.9193, 16.4154



16.9862, 24.9193, 33.4804

Sweetspot

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



30.6455, 24.9204, 41.7233



64.2165, 62.8965, 77.7575



22.0203, 20.7802, 41.3788



14.1561, 13.7034, 17.2866



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.



30.6455, 24.9204, 41.7233



52.4367, 39.8672, 73.9333



28.7941, 24.2049, 30.8415



8.3213, 8.1400, 10.0853



17.6639, 8.4660, 29.7476



0.4962, 0.2380, 0.8278

Inverse Universe

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



26.9631, 23.4725, 21.1999



44.7486, 36.8470, 30.9591



27.3283, 35.1270, 31.6463



8.0114, 8.0178, 8.3707



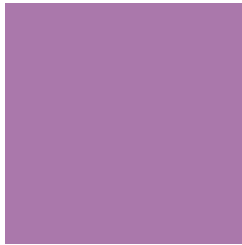
12.6768, 6.5333, 0.6776



0.3547, 0.1826, 0.0295

Previews

White Background



This preview shows how the XYZ color 30.6447, 24.9193, 41.7228 looks on a white background.

Color Contrast Check

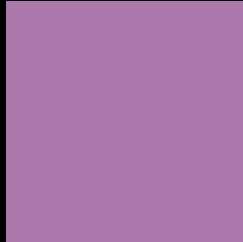
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6447, 24.9193, 41.7228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

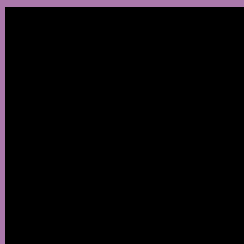
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6447, 24.9193, 41.7228

Background



This preview shows how black text looks on a background with the XYZ color 30.6447, 24.9193, 41.7228.



This preview shows how white text looks on a background with the XYZ color 30.6447, 24.9193,

41.7228.

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

30.6447, 24.9193, 41.7228

Protanopia

25.4197, 24.9904, 47.7398

Deuteranopia

25.5847, 25.0282, 40.5283



Tritanopia

27.5504, 24.9557, 26.6574

Trichromacy



Original Color

30.6447, 24.9193, 41.7228

Protanomaly

27.0030, 24.8423, 45.4913

Deuteranomaly

27.2244, 24.8610, 40.8999

Tritanomaly

28.5688, 24.8007, 31.7150

Monochromacy



Original Color

30.6447, 24.9193, 41.7228

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 30.6447, 24.9193, 41.7228 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(170, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 30.6447, 24.9193, 41.7228 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(170, 120, 171) }
```


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

```
.border{ border-color:rgb(170, 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(170, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 120, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 120, 171); box-shadow:4px 4px 4px 4px rgb(170, 120, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6447, 24.9193, 41.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 171) }
```

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

```
.background{ background-color: rgb(170,  
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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