

# Converting Colors

XYZ(30.3555, 23.8749, 40.8077)

Have a look what the booklet for  
XYZ(30.3555, 23.8749, 40.8077)  
contains.

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# Color

**XYZ(30.3997, 23.9344,  
41.0478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC73AA
RGB	172, 115, 170
RGB Percent	67%, 45%, 67%
CMY	0.3255, 0.5490, 0.3333
CMYK	0.00, 0.33, 0.01, 0.33
HSL	302°, 26%, 56%
HSV	302°, 33%, 67%
XYZ	30.3997, 23.9344, 41.0478
YIQ	138.3130, 16.3170, 29.1890

# Conversions

## Conversions Part 2

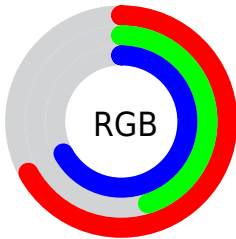
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 115, 170
Decimal	11301802
CIELab	56.02, 31.50, -20.30
CIElCh	56, 37.475, 327.194
Yxy	23.9344, 0.3187, 0.2509
Android (android.graphics.Color)	4289491882 (0xFFAC73AA)
YUV	138.3130, 15.6217, 29.5435
Hunter-Lab	48.9228, 25.3016, -15.5003

# Details

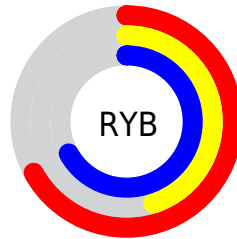
The XYZ color **30.3997, 23.9344, 41.0478** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.0346, 34.4350, 22.1581**, and the grayscale version is **24.2154, 25.4765, 27.7439**.

A 20% lighter version of the original color is **59.5881, 49.9355, 77.7320**, and **12.7681, 9.0105, 18.2058** is the 20% darker color. If you saturate the color by 10%, you get **28.5616, 20.3490, 40.1542**, and if you desaturate by 10%, it is **32.6055, 28.2539, 42.0657**.

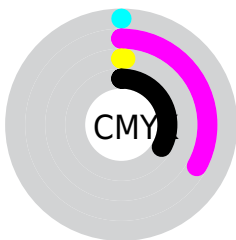
# Distribution



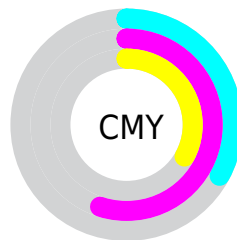
- Red (67%)
- Green (45%)
- Blue (67%)



- Red (67%)
- Yellow (45%)
- Blue (67%)



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



- Cyan (33%)
- Magenta (55%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3997, 23.9344, 41.0478 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 30.3997, 23.9344, 41.0478 by changing the saturation by 10% instead.



30.3997, 23.9344,  
41.0478

30.3997, 23.9344,  
41.0478

295.6396,  
272.4887, 366.2029

20.2917, 15.2850,  
28.0365

59.6760, 49.9231,  
78.0109

12.7168, 9.0196,  
18.1139

79.5751, 68.0312,  
102.7998

7.3095, 4.7540,  
10.8615

103.4686, 90.0610,  
132.3515

3.7044, 2.1037,  
5.8608

131.7218,  
116.3968, 167.0847

1.5363, 0.6667,  
2.6932

164.7002,  
147.4231, 207.4179

0.3503, 0.0000,  
0.9400

202.7690,

0.0000, 0.0000,

183.5242, 253.7697

0.0000

246.2937,  
225.0846, 306.5585

■ 30.3997, 23.9344,  
41.0478

■ 30.3997, 23.9344,  
41.0478

■ 28.5616, 20.3490,  
40.1542

■ 32.6055, 28.2539,  
42.0657

■ 27.0686, 17.4537,  
39.3767

■ 35.1956, 33.3420,  
43.2128

■ 25.8990, 15.2049,  
38.7084

■ 38.1882, 39.2348,  
44.4953

■ 25.0278, 13.5525,  
38.1407

■ 41.5998, 45.9651,  
45.9188

■ 24.4264, 12.4391,  
37.6643

■ 45.4459, 53.5640,  
47.4885

■ 24.0604, 11.7961,  
37.2676

■ 49.7413, 62.0611,  
49.2092

■ 23.8932, 11.5227,  
37.0241

■ 54.4999, 71.4843,  
51.0856

■ 59.7353, 81.8606,  
53.1223

■ 60.5541, 83.4030,  
53.6880

# Harmonies

## Analogous

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



26.7254, 23.9344, 53.1840



30.3997, 23.9344, 41.0478



32.0094, 23.9344, 27.2327

# Triad

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



30.3997, 23.9344, 41.0478



23.1546, 23.9344, 8.8843



16.1798, 23.9344, 38.3986

# Complementary

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



30.3997, 23.9344, 41.0478



25.0346, 34.4350, 22.1581

# 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.



15.4727, 23.9344, 24.9224



30.3997, 23.9344, 41.0478



19.1878, 23.9344, 10.2036

# Square

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



30.3997, 23.9344, 41.0478



27.5108, 23.9344, 10.8343



16.5033, 23.9344, 15.2535



18.5710, 23.9344, 51.3471



# Rectangle

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



30.3997, 23.9344, 41.0478



31.5616, 23.9344, 19.6896



16.5033, 23.9344, 15.2535



15.7514, 23.9344, 33.6758

# Sweetspot

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



30.4005, 23.9355, 41.0483



65.3778, 63.4944, 79.0556



20.9009, 19.0162, 41.5992



14.0539, 13.4954, 17.1139



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.



30.4005, 23.9355, 41.0483



52.5629, 38.3727, 73.2175



27.9974, 22.9742, 28.3939



8.3248, 8.1432, 10.0209



17.7846, 8.5764, 27.5748



0.4984, 0.2401, 0.7865



# Inverse Universe

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



30.4005, 23.9355, 41.0483



52.5629, 38.3727, 73.2175



26.9654, 35.2074, 32.3255



8.3248, 8.1432, 10.0209



17.7846, 8.5764, 27.5748

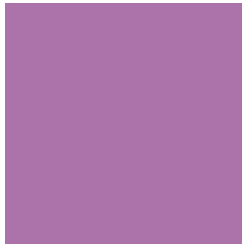


0.4984, 0.2401, 0.7865



# Previews

## White Background



This preview shows how the XYZ color 30.3997, 23.9344, 41.0478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

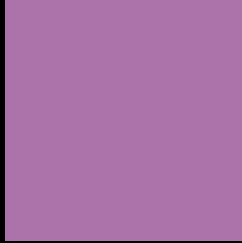
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.3997, 23.9344, 41.0478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

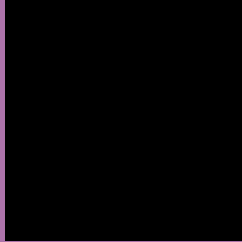
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.3997, 23.9344, 41.0478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3997, 23.9344, 41.0478.



This preview shows how white text looks on a background with the XYZ color 30.3997, 23.9344,



# 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

30.3997, 23.9344, 41.0478

### Protanopia

24.6805, 24.1870, 48.1675

### Deuteranopia

24.5864, 24.1178, 39.9186



## Tritanopia

27.1842, 24.0474, 25.0386

# Trichromacy



## Original Color

30.3997, 23.9344, 41.0478

## Protanomaly

26.1442, 23.6250, 45.3016

## Deuteranomaly

26.3828, 23.8599, 40.2607

## Tritanomaly

28.2670, 23.9433, 30.3258

# Monochromacy



## Original Color

30.3997, 23.9344, 41.0478

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

26.0653, 24.6513, 32.2385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3997, 23.9344, 41.0478 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, 115, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 115, 170)  
}
```

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, 115, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 115, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3997, 23.9344, 41.0478 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, 115, 170) }
```



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

```
.border{ border-color:rgb(172, 115, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 115, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 115, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 115, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 115,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3997, 23.9344, 41.0478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 115, 170) }
```

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

```
.background{ background-color: rgb(172,  
115, 170) }
```

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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