

# Converting Colors

XYZ(31.2665, 24.4142, 47.3205)

Have a look what the booklet for  
XYZ(31.2665, 24.4142, 47.3205)  
contains.

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# Color

**XYZ(31.2665, 24.4142,  
47.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA74B6
RGB	170, 116, 182
RGB Percent	67%, 45%, 71%
CMY	0.3333, 0.5451, 0.2863
CMYK	0.07, 0.36, 0.00, 0.29
HSL	289°, 31%, 58%
HSV	289°, 36%, 71%
XYZ	31.2665, 24.4142, 47.3205
YIQ	139.6700, 10.9980, 31.9740

# Conversions

## Conversions Part 2

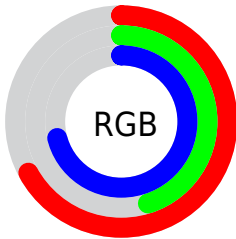
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	170, 116, 182
Decimal	11170998
CIE <sub>Lab</sub>	56.50, 32.66, -26.49
CIE <sub>LCh</sub>	57, 42.052, 320.949
Y <sub>xy</sub>	24.4142, 0.3036, 0.2370
Android (android.graphics.Color)	4289361078 (0xFFAA74B6)
YUV	139.6700, 20.8687, 26.5994
Hunter-Lab	49.4107, 26.4838, -22.1943

# Details

The XYZ color **31.2665, 24.4142, 47.3205** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.7831, 39.3066, 22.5939**, and the grayscale version is **24.7187, 26.0060, 28.3206**.

A 20% lighter version of the original color is **60.9846, 50.7177, 87.4642**, and **13.2468, 9.2633, 21.8587** is the 20% darker color. If you saturate the color by 10%, you get **28.6644, 20.2581, 46.6558**, and if you desaturate by 10%, it is **34.2992, 29.4036, 48.1241**.

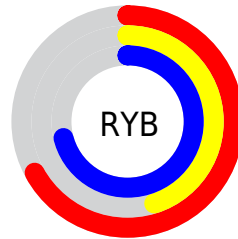
# Distribution



Red (67%)

Green (45%)

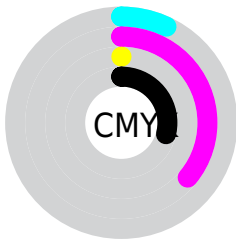
Blue (71%)



Red (67%)

Yellow (45%)

Blue (71%)

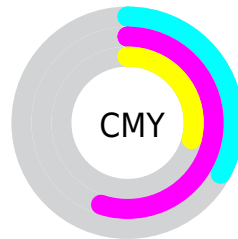


Cyan (7%)

Magenta (36%)

Yellow (0%)

Black (29%)



Cyan (33%)

Magenta (55%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2665, 24.4142, 47.3205 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 31.2665, 24.4142, 47.3205 by changing the saturation by 10% instead.



31.2665, 24.4142,  
47.3205

31.2665, 24.4142,  
47.3205

299.5692,  
274.9079, 392.5231

20.9547, 15.6412,  
32.9329

61.0324, 50.7053,  
87.5468

13.2032, 9.2706,  
21.8044

81.2172, 68.9921,  
114.2226

7.6466, 4.9181,  
13.5163

105.4237, 91.2190,  
145.8317

3.9195, 2.1993,  
7.6501

134.0173,  
117.7703, 182.7924

1.6567, 0.7196,  
3.7874

167.3632,  
149.0304, 225.5233

0.4289, 0.0000,  
1.5094

205.8270,

0.0000, 0.0000,

185.3838, 274.4431

0.2249

249.7739,  
227.2149, 329.9702

■ 0.0000, 0.0000,  
0.0000

■ 31.2665, 24.4142,  
47.3205

■ 31.2665, 24.4142,  
47.3205

■ 28.6644, 20.2581,  
46.6558

■ 34.2992, 29.4036,  
48.1241

■ 26.4663, 16.8839,  
46.1204

■ 37.7824, 35.2676,  
49.0724

■ 24.6461, 14.2394,  
45.7059


■ 41.7375, 42.0485,  
50.1727


■ 23.1739, 12.2646,  
45.4023


■ 46.1840, 49.7847,  
51.4316


■ 22.0146, 10.8897,  
45.1980


■ 51.1401, 58.5126,  
52.8551


 21.1224, 10.0232,  
45.0778

 56.6231, 68.2667,  
54.4488

 20.8218, 9.7586,  
45.0426

 62.6495, 79.0798,  
56.2183

 67.0919, 86.6968,  
57.4544

 67.9649, 87.1468,  
57.4953

# Harmonies

## Analogous

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



26.7180, 24.4142, 60.3339



31.2665, 24.4142, 47.3205



33.7399, 24.4142, 31.0307

# Triad

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



31.2665, 24.4142, 47.3205



24.7100, 24.4142, 7.9158



15.5098, 24.4142, 37.3751

# Complementary

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



31.2665, 24.4142, 47.3205



28.7831, 39.3066, 22.5939

# 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.



15.1288, 24.4142, 22.5819



31.2665, 24.4142, 47.3205



20.0142, 24.4142, 8.5752

# Square

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



31.2665, 24.4142, 47.3205



29.6212, 24.4142, 10.7174



16.6639, 24.4142, 13.0099



17.7894, 24.4142, 53.3346



# Rectangle

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



31.2665, 24.4142, 47.3205



33.6707, 24.4142, 21.8059



16.6639, 24.4142, 13.0099



15.1694, 24.4142, 32.0111

# Sweetspot

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



31.2673, 24.4152, 47.3210



72.0291, 69.9673, 89.9444



23.3791, 22.5559, 47.3779



15.6970, 15.0905, 19.8070



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



31.2673, 24.4152, 47.3210



52.6357, 37.7776, 84.7533



31.9794, 25.0135, 36.9078



9.2165, 9.0780, 11.3459



14.7553, 6.9178, 31.8107



0.5624, 0.2657, 1.1234



# Inverse Universe

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



29.4338, 23.9953, 23.5031



48.9850, 37.0114, 34.1714



28.4394, 38.9728, 29.6539



9.0695, 9.0382, 9.7135



13.8363, 7.1083, 1.7591



0.5082, 0.2588, 0.1696



# Previews

## White Background



This preview shows how the XYZ color 31.2665, 24.4142, 47.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

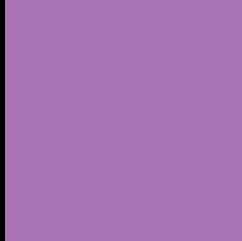
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.2665, 24.4142, 47.3205 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 31.2665, 24.4142, 47.3205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.2665, 24.4142, 47.3205.



This preview shows how white text looks on a background with the XYZ color 31.2665, 24.4142,



# 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

31.2665, 24.4142, 47.3205

### Protanopia

25.6914, 24.7487, 55.6475

### Deuteranopia

25.2660, 24.7405, 46.0916



## Tritanopia

26.9383, 24.4575, 26.2226

# Trichromacy



## Original Color

31.2665, 24.4142, 47.3205

## Protanomaly

27.1467, 24.1746, 52.5256

## Deuteranomaly

26.9829, 24.2248, 46.4337

## Tritanomaly

28.3529, 24.2931, 32.9004

# Monochromacy



## Original Color

31.2665, 24.4142, 47.3205

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.7952, 25.1785, 34.4580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.2665, 24.4142, 47.3205 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, 116, 182)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 182)  
}
```

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, 116, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 31.2665, 24.4142, 47.3205 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, 116, 182) }
```



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

```
.border{ border-color:rgb(170, 116, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 182);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.2665, 24.4142, 47.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 182) }
```

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

```
.background{ background-color: rgb(170,  
116, 182) }
```

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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