

# Converting Colors

XYZ(30.0144, 24.7210, 41.5390)

Have a look what the booklet for  
XYZ(30.0144, 24.7210, 41.5390)  
contains.

<b>XYZ(30.1244, 24.8305, 41.7331)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.1244, 24.8305,  
41.7331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A779AB
RGB	167, 121, 171
RGB Percent	65%, 47%, 67%
CMY	0.3451, 0.5255, 0.3294
CMYK	0.02, 0.29, 0.00, 0.33
HSL	295°, 23%, 57%
HSV	295°, 29%, 67%
XYZ	30.1244, 24.8305, 41.7331
YIQ	140.4540, 11.3660, 25.3020

# Conversions

## Conversions Part 2

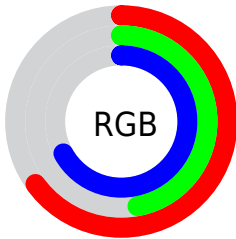
Format	Color
<b>RYB</b>	167, 121, 171
Decimal	10975659
CIELab	56.91, 26.64, -19.57
CIELCh	57, 33.054, 323.691
Yxy	24.8305, 0.3116, 0.2568
Android (android.graphics.Color)	4289165739 (0xFFA779AB)
YUV	140.4540, 15.0592, 23.2808
Hunter-Lab	49.8302, 20.7077, -14.7746

# Details

The XYZ color **30.1244, 24.8305, 41.7331** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.4724, 34.8669, 23.4251**, and the grayscale version is **25.0446, 26.3489, 28.6940**.

A 20% lighter version of the original color is **59.2949, 51.4511, 78.7574**, and **12.5866, 9.5440, 18.6316** is the 20% darker color. If you saturate the color by 10%, you get **27.9405, 20.8890, 41.0878**, and if you desaturate by 10%, it is **32.6813, 29.5125, 42.5024**.

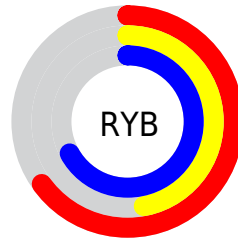
# Distribution



Red (65%)

Green (47%)

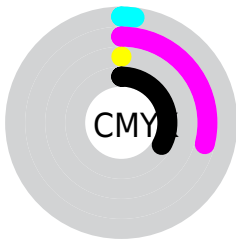
Blue (67%)



Red (65%)

Yellow (47%)

Blue (67%)

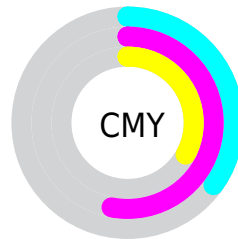


Cyan (2%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (53%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1244, 24.8305, 41.7331 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 30.1244, 24.8305, 41.7331 by changing the saturation by 10% instead.



■ 30.1244, 24.8305,  
41.7331

■ 30.1244, 24.8305,  
41.7331

294.3833,  
276.9928, 369.1423

■ 20.0816, 15.9508,  
28.5684

■ 59.2441, 51.3821,  
79.0612

■ 12.5630, 9.4894,  
18.5118

■ 79.0517, 69.8228,  
104.0617

■ 7.2032, 5.0617,  
11.1448

■ 102.8450, 92.2193,  
133.8445

■ 3.6370, 2.2835,  
6.0489

130.9892,  
118.9561, 168.8282

■ 1.4989, 0.7650,  
2.8056

163.8498,  
150.4174, 209.4313

■ 0.3251, 0.0000,  
0.9962

201.7922,

■ 0.0000, 0.0000,

186.9877, 256.0723

0.0000

245.1815,  
229.0513, 309.1698

■ 30.1244, 24.8305,  
41.7331

■ 30.1244, 24.8305,  
41.7331

■ 27.9405, 20.8890,  
41.0878

■ 32.6813, 29.5125,  
42.5024

■ 26.1077, 17.6457,  
40.5584

■ 35.6268, 34.9677,  
43.4001

■ 24.6057, 15.0593,  
40.1383

■ 38.9787, 41.2309,  
44.4324

■ 23.4107, 13.0827,  
39.8198

■ 42.7526, 48.3338,  
45.6045

■ 22.4962, 11.6625,  
39.5938

■ 46.9637, 56.3064,  
46.9214

■ 21.8309, 10.7360,  
39.4501

■ 51.6262, 65.1772,  
48.3879

■ 21.3528, 10.1796,  
39.3679

■ 56.7537, 74.9734,  
50.0085

■ 21.3182, 10.1408,  
39.3622

■ 61.4581, 83.9187,  
51.4872

■ 61.7735, 84.0813,  
51.5019

# Harmonies

## Analogous

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



26.7209, 24.8305, 51.6456



30.1244, 24.8305, 41.7331



31.8030, 24.8305, 29.4483

# Triad

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



30.1244, 24.8305, 41.7331



24.4285, 24.8305, 10.8959



17.4172, 24.8305, 36.5425

# Complementary

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



30.1244, 24.8305, 41.7331



26.4724, 34.8669, 23.4251

# 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.



16.9458, 24.8305, 24.7595



30.1244, 24.8305, 41.7331



20.7332, 24.8305, 11.8316

# Square

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



30.1244, 24.8305, 41.7331



28.2905, 24.8305, 13.2346



18.0941, 24.8305, 16.2718



19.4600, 24.8305, 48.1206



# Rectangle

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



30.1244, 24.8305, 41.7331



31.6003, 24.8305, 22.2962



18.0941, 24.8305, 16.2718



17.0797, 24.8305, 32.4044

# Sweetspot

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



30.1252, 24.8316, 41.7336



63.8497, 62.7074, 77.7404



22.5916, 21.7159, 41.5293



14.0617, 13.6548, 17.2822



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.



30.1252, 24.8316, 41.7336



51.3809, 39.8177, 73.9794



29.1512, 24.5411, 32.1259



8.2729, 8.1150, 10.0830



16.0913, 7.6553, 29.6740



0.4658, 0.2223, 0.8263



# Inverse Universe

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



27.3344, 23.8144, 22.5591



45.6207, 37.7292, 33.9072



27.3189, 35.1394, 30.8693



8.0303, 8.0254, 8.4703



12.7272, 6.5534, 0.9431

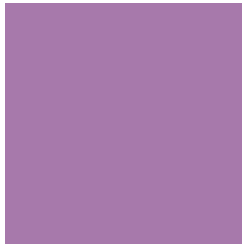


0.3623, 0.1856, 0.0694



# Previews

## White Background



This preview shows how the XYZ color 30.1244, 24.8305, 41.7331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

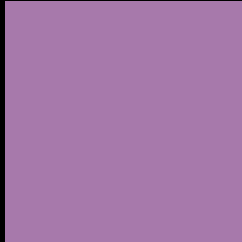
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.1244, 24.8305, 41.7331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

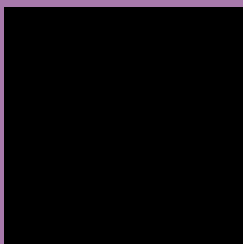
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.1244, 24.8305, 41.7331**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.1244, 24.8305, 41.7331.



This preview shows how white text looks on a background with the XYZ color 30.1244, 24.8305,

41.7331.

# 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

30.1244, 24.8305, 41.7331

### Protanopia

25.3166, 24.9492, 47.1974

### Deuteranopia

25.5180, 24.9831, 41.0134



## Tritanopia

27.0050, 24.6663, 27.0047

# Trichromacy



## Original Color

30.1244, 24.8305, 41.7331

## Protanomaly

26.7337, 24.7150, 44.9564

## Deuteranomaly

26.9600, 24.7138, 41.3795

## Tritanomaly

28.0683, 24.7297, 31.7277

# Monochromacy



## Original Color

30.1244, 24.8305, 41.7331

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.5511, 25.4935, 32.7995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1244, 24.8305, 41.7331 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(167, 121, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 121, 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(167, 121, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 121, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1244, 24.8305, 41.7331 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".

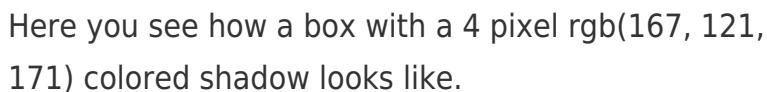
```
.border, #border, table{ border:4px solid rgb(167, 121, 171) }
```



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

```
.border{ border-color:rgb(167, 121, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 121, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 121, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 121, 171); box-shadow:4px 4px 4px 4px rgb(167, 121, 171) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1244, 24.8305, 41.7331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 121, 171) }
```

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

```
.background{ background-color: rgb(167,  
121, 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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