

Converting Colors

XYZ(29.3186, 21.7955, 37.8778)

Have a look what the booklet for
XYZ(29.3186, 21.7955, 37.8778)
contains.

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Color

**XYZ(29.4316, 21.8974,
37.7974)**

Conversions

Conversions Part 1

Format	Color
Hex	AF69A4
RGB	175, 105, 164
RGB Percent	69%, 41%, 64%
CMY	0.3137, 0.5882, 0.3569
CMYK	0.00, 0.40, 0.06, 0.31
HSL	309°, 30%, 55%
HSV	309°, 40%, 69%
XYZ	29.4316, 21.8974, 37.7974
YIQ	132.6560, 22.7810, 33.1890

Conversions

Conversions Part 2

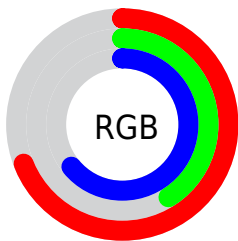
Format	Color
R_{YB}	175, 105, 164
Decimal	11495844
CIE _{Lab}	53.92, 36.90, -20.01
CIE _{LCh}	54, 41.976, 331.526
Yxy	21.8974, 0.3302, 0.2457
Android (android.graphics.Color)	4289685924 (0xFFAF69A4)
YUV	132.6560, 15.4526, 37.1357
Hunter-Lab	46.7947, 30.3773, -15.1340

Details

The XYZ color **29.4316, 21.8974, 37.7974** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.3090, 34.9249, 21.9842**, and the grayscale version is **22.1099, 23.2613, 25.3316**.

A 20% lighter version of the original color is **58.2918, 46.7240, 72.9642**, and **12.1760, 7.9672, 16.2253** is the 20% darker color. If you saturate the color by 10%, you get **27.5837, 18.5944, 35.9694**, and if you desaturate by 10%, it is **31.6530, 25.9381, 39.7768**.

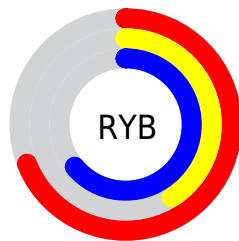
Distribution



Red (69%)

Green (41%)

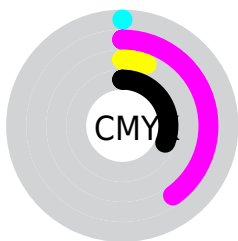
Blue (64%)



Red (69%)

Yellow (41%)

Blue (64%)

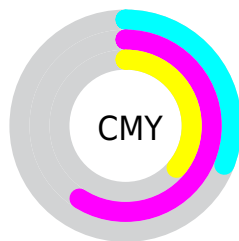


Cyan (0%)

Magenta (40%)

Yellow (6%)

Black (31%)



Cyan (31%)


Magenta (59%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4316, 21.8974, 37.7974 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 29.4316, 21.8974, 37.7974 by changing the saturation by 10% instead.


 29.4316, 21.8974,
37.7974


 29.4316, 21.8974,
37.7974


291.2036,
262.0100, 352.0222


 19.5535, 13.7815,
25.5249


 58.1549, 46.5764,
72.9975


 12.1773, 7.9689,
16.2460


 77.7309, 63.9082,
96.7621

 6.9376, 4.0750,
9.5421


 101.2701, 85.0809,
125.1945

 3.4691, 1.7156,
4.9948

 129.1380,
110.4788, 158.7132

 1.4064, 0.4337,
2.1855

161.7000,
140.4862, 197.7368

 0.2608, 0.0000,
0.6660

199.3213,

 0.0000, 0.0000,

175.4877, 242.6838

0.0000

242.3674,
215.8674, 293.9727

■ 29.4316, 21.8974,
37.7974

■ 29.4316, 21.8974,
37.7974

■ 27.5837, 18.5944,
35.9694

■ 31.6530, 25.9381,
39.7768

■ 26.0845, 15.9807,
34.2838

■ 34.2667, 30.7549,
41.9135

■ 24.9096, 14.0071,
32.7324


■ 37.2924, 36.3872,
44.2143


■ 24.0303, 12.6163,
31.3056


■ 40.7482, 42.8709,
46.6855


■ 23.4129, 11.7408,
29.9919


■ 44.6510, 50.2396,
49.3327


 22.9852, 11.2364,
28.7671

 49.0166, 58.5253,
52.1616

 22.9851, 11.2364,
28.7669

 53.8602, 67.7581,
55.1773

 59.1964, 77.9670,
58.3848

 62.5979, 84.2975,
60.9751

Harmonies

Analogous

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



25.6994, 21.8974, 51.9979



29.4316, 21.8974, 37.7974



30.7730, 21.8974, 23.1855

Triad

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



29.4316, 21.8974, 37.7974



20.5821, 21.8974, 6.6058



14.2451, 21.8974, 39.3808

Complementary

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



29.4316, 21.8974, 37.7974



24.3090, 34.9249, 21.9842

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.



13.2735, 21.8974, 24.5119



29.4316, 21.8974, 37.7974



16.5886, 21.8974, 8.2902

Square

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



29.4316, 21.8974, 37.7974



25.2405, 21.8974, 7.9665



14.0660, 21.8974, 13.8303



16.9358, 21.8974, 53.1212

Rectangle

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



29.4316, 21.8974, 37.7974



29.9964, 21.8974, 15.8217



14.0660, 21.8974, 13.8303



13.7257, 21.8974, 34.1986

Sweetspot

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



29.4323, 21.8984, 37.7979



65.5262, 62.8098, 78.2490



19.9266, 16.8782, 42.7655



14.4066, 13.6669, 17.2738



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.4323, 21.8984, 37.7979



49.7546, 33.9276, 64.7883



26.7274, 20.8164, 23.5539



8.2822, 8.1261, 9.7968



16.4788, 8.0541, 20.6986



0.4727, 0.2298, 0.6510

Inverse Universe

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



29.4323, 21.8984, 37.7979



49.7546, 33.9276, 64.7883



26.7019, 35.8820, 34.5852



8.2822, 8.1261, 9.7968



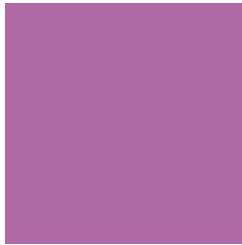
16.4788, 8.0541, 20.6986



0.4727, 0.2298, 0.6510

Previews

White Background



This preview shows how the XYZ color 29.4316, 21.8974, 37.7974 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 29.4316, 21.8974, 37.7974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

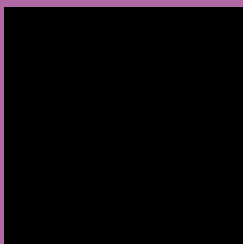
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4316, 21.8974, 37.7974

Background



This preview shows how black text looks on a background with the XYZ color 29.4316, 21.8974, 37.7974.



This preview shows how white text looks on a background with the XYZ color 29.4316, 21.8974,

37.7974.

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

29.4316, 21.8974, 37.7974

Protanopia

22.7399, 22.0257, 46.7689

Deuteranopia

22.5387, 22.1524, 36.3456



Tritanopia

26.1077, 21.9858, 21.2800

Trichromacy



Original Color

29.4316, 21.8974, 37.7974

Protanomaly

24.4880, 21.5230, 43.4211

Deuteranomaly

24.5314, 21.6962, 36.6130

Tritanomaly

27.2131, 21.9457, 26.4686

Monochromacy



Original Color

29.4316, 21.8974, 37.7974

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.3297, 22.4754, 29.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4316, 21.8974, 37.7974 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(175, 105, 164)` looks like.

```
.text, #text, p{  
    color:rgb(175, 105, 164)  
}
```

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(175, 105, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 105, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.4316, 21.8974, 37.7974 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(175, 105, 164) }
```


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

```
.border{ border-color:rgb(175, 105, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 105, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 105, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 105, 164);  
box-shadow:4px 4px 4px 4px rgb(175, 105,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4316, 21.8974, 37.7974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 105, 164) }
```

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

```
.background{ background-color: rgb(175,  
105, 164) }
```

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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