

Converting Colors

XYZ(29.3099, 21.4497, 41.6251)

Have a look what the booklet for
XYZ(29.3099, 21.4497, 41.6251)
contains.

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Color

**XYZ(29.3099, 21.4497,
41.6251)**

Conversions

Conversions Part 1

Format	Color
Hex	AC67AC
RGB	172, 103, 172
RGB Percent	67%, 40%, 67%
CMY	0.3255, 0.5961, 0.3255
CMYK	0.00, 0.40, 0.00, 0.33
HSL	300°, 29%, 54%
HSV	300°, 40%, 67%
XYZ	29.3099, 21.4497, 41.6251
YIQ	131.4970, 18.9750, 36.0870

Conversions

Conversions Part 2

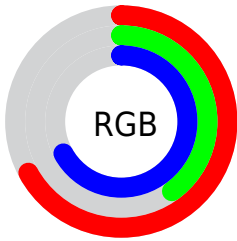
Format	Color
R _Y B	172, 103, 172
Decimal	11298732
CIE Lab	53.44, 38.50, -25.43
CIE LCh	53, 46.141, 326.551
Yxy	21.4497, 0.3173, 0.2322
Android (android.graphics.Color)	4289488812 (0xFFAC67AC)
YUV	131.4970, 19.9680, 35.5211
Hunter-Lab	46.3138, 31.9153, -20.8679

Details

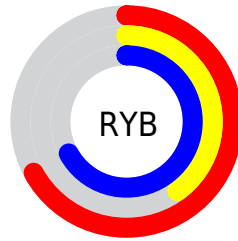
The XYZ color **29.3099, 21.4497, 41.6251** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.7951, 33.3687, 18.0725**, and the grayscale version is **21.6778, 22.8067, 24.8365**.

A 20% lighter version of the original color is **58.2052, 46.0364, 79.2170**, and **12.0741, 7.7297, 18.3084** is the 20% darker color. If you saturate the color by 10%, you get **27.7721, 18.3737, 41.1126**, and if you desaturate by 10%, it is **31.2010, 25.2315, 42.2558**.

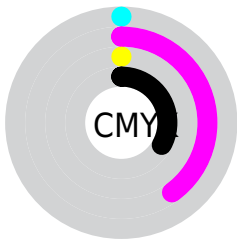
Distribution



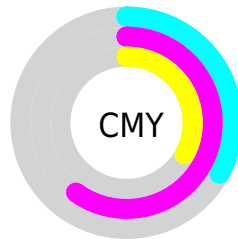
- Red (67%)
- Green (40%)
- Blue (67%)



- Red (67%)
- Yellow (40%)
- Blue (67%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3099, 21.4497, 41.6251 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 29.3099, 21.4497, 41.6251 by changing the saturation by 10% instead.

■ 29.3099, 21.4497,
41.6251

■ 29.3099, 21.4497,
41.6251

290.6422,
259.6588, 368.6802

■ 19.4608, 13.4531,
28.4845

■ 57.9633, 45.8348,
78.8959

■ 12.1097, 7.7413,
18.4490

■ 77.4983, 62.9920,
103.8631

■ 6.8912, 3.9299,
11.1000

■ 100.9926, 83.9717,
133.6096

■ 3.4399, 1.6344,
6.0191

■ 128.8117,
109.1580, 168.5539

■ 1.3904, 0.3806,
2.7877

161.3208,
138.9355, 209.1146

■ 0.2494, 0.0000,
0.9873

198.8854,

■ 0.0000, 0.0000,

173.6886, 255.7102

0.0000

241.8708,
213.8015, 308.7592

■ 29.3099, 21.4497,
41.6251

■ 29.3099, 21.4497,
41.6251

■ 27.7721, 18.3737,
41.1126

■ 31.2010, 25.2315,
42.2558

■ 26.5638, 15.9570,
40.7098

■ 33.4632, 29.7558,
43.0099

■ 25.6615, 14.1524,
40.4089

■ 36.1156, 35.0606,
43.8941

■ 25.0378, 12.9051,
40.2010

■ 39.1754, 41.1801,
44.9141

■ 24.6604, 12.1503,
40.0751

■ 42.6586, 48.1465,
46.0753

■ 24.4599, 11.7493,
40.0082

■ 46.5807, 55.9906,
47.3827

■ 50.9560, 64.7413,
48.8412

■ 55.7986, 74.4264,
50.4555

■ 60.2201, 83.2694,
51.9294

Harmonies

Analogous

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



24.8991, 21.4497, 56.7958



29.3099, 21.4497, 41.6251



31.3217, 21.4497, 25.0175

Triad

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



29.3099, 21.4497, 41.6251



20.9598, 21.4497, 5.4403



13.0625, 21.4497, 37.6244

Complementary

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



29.3099, 21.4497, 41.6251



22.7951, 33.3687, 18.0725

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.



12.3495, 21.4497, 21.7679



29.3099, 21.4497, 41.6251



16.4564, 21.4497, 6.5702

Square

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



29.3099, 21.4497, 41.6251



26.0386, 21.4497, 7.2927



13.4886, 21.4497, 11.4089



15.6193, 21.4497, 53.9084

Rectangle

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



29.3099, 21.4497, 41.6251



30.8269, 21.4497, 16.4762



13.4886, 21.4497, 11.4089



12.6189, 21.4497, 31.9231

Sweetspot

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



29.3106, 21.4507, 41.6256



64.4470, 61.4620, 79.2722



17.8911, 15.5637, 41.0915



13.8712, 13.0880, 17.1828



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.



29.3106, 21.4507, 41.6256



50.6983, 33.9648, 74.6888



26.4157, 20.2927, 26.3810



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7722



0.5064, 0.2432, 0.8282

Inverse Universe

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



29.3106, 21.4507, 41.6256



50.6983, 33.9648, 74.6888



24.8982, 34.2099, 29.1473



8.3371, 8.1481, 10.0860



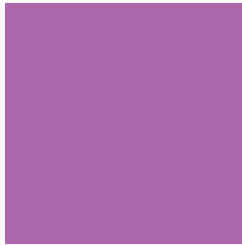
18.2019, 8.7433, 29.7722



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 29.3099, 21.4497, 41.6251 looks on a white background.

Color Contrast Check

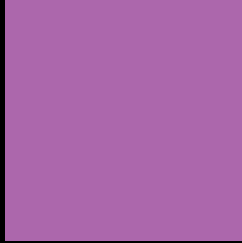
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3099, 21.4497, 41.6251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

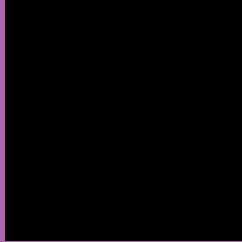
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3099, 21.4497, 41.6251

Background



This preview shows how black text looks on a background with the XYZ color 29.3099, 21.4497, 41.6251.



This preview shows how white text looks on a background with the XYZ color 29.3099, 21.4497,

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

29.3099, 21.4497, 41.6251

Protanopia

22.6990, 21.7036, 51.7080

Deuteranopia

22.1365, 21.6708, 40.0620



Tritanopia

25.2561, 21.5468, 21.2402

Trichromacy



Original Color

29.3099, 21.4497, 41.6251

Protanomaly

24.2316, 21.1216, 47.5995

Deuteranomaly

24.1211, 21.2247, 40.3616

Tritanomaly

26.4580, 21.3701, 27.5413

Monochromacy



Original Color

29.3099, 21.4497, 41.6251

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.8797, 21.8611, 30.1551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3099, 21.4497, 41.6251 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, 103, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 103, 172)  
}
```

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, 103, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 103, 172) }
```

Border

The CSS property to change the border of an element to XYZ 29.3099, 21.4497, 41.6251 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, 103, 172) }
```


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

```
.border{ border-color:rgb(172, 103, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 103, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 103, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 103, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 103,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3099, 21.4497, 41.6251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 103, 172) }
```

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

```
.background{ background-color: rgb(172,  
103, 172) }
```

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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