

Converting Colors

XYZ(29.5673, 21.7639, 40.1786)

Have a look what the booklet for
XYZ(29.5673, 21.7639, 40.1786)
contains.

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Color

**XYZ(29.5673, 21.7639,
40.1786)**

Conversions

Conversions Part 1

Format	Color
Hex	AE68A9
RGB	174, 104, 169
RGB Percent	68%, 41%, 66%
CMY	0.3176, 0.5921, 0.3373
CMYK	0.00, 0.40, 0.03, 0.32
HSL	304°, 30%, 55%
HSV	304°, 40%, 68%
XYZ	29.5673, 21.7639, 40.1786
YIQ	132.3400, 20.8550, 35.0550

Conversions

Conversions Part 2

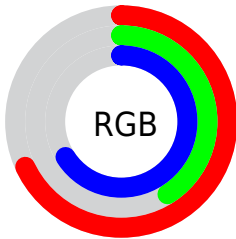
Format	Color
R_{YB}	174, 104, 169
Decimal	11430057
CIE _{Lab}	53.78, 38.03, -23.15
CIE _{LCh}	54, 44.523, 328.671
Yxy	21.7639, 0.3231, 0.2378
Android (android.graphics.Color)	4289620137 (0xFFAE68A9)
YUV	132.3400, 18.0734, 36.5358
Hunter-Lab	46.6518, 31.4903, -18.4069

Details

The XYZ color **29.5673, 21.7639, 40.1786** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.6062, 34.3200, 19.8496**, and the grayscale version is **21.9870, 23.1320, 25.1908**.

A 20% lighter version of the original color is **58.4665, 46.4847, 76.4119**, and **12.2758, 7.9158, 17.7105** is the 20% darker color. If you saturate the color by 10%, you get **27.8773, 18.5694, 39.0425**, and if you desaturate by 10%, it is **31.6212, 25.6835, 41.4420**.

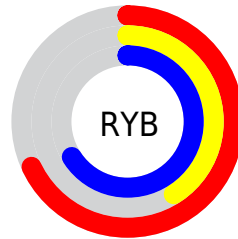
Distribution



Red (68%)

Green (41%)

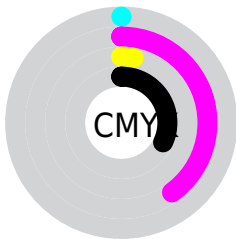
Blue (66%)



Red (68%)

Yellow (41%)

Blue (66%)

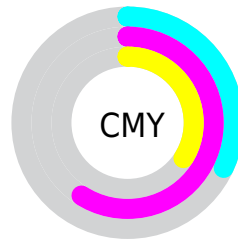


Cyan (0%)

Magenta (40%)

Yellow (3%)

Black (32%)



Cyan (32%)

Magenta (59%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5673, 21.7639, 40.1786 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 29.5673, 21.7639, 40.1786 by changing the saturation by 10% instead.

■ 29.5673, 21.7639,
40.1786

■ 29.5673, 21.7639,
40.1786

291.8285,
261.3108, 362.4502

■ 19.6568, 13.6835,
27.3630

■ 58.3686, 46.3555,
76.6755

■ 12.2526, 7.9009,
17.6112

■ 77.9900, 63.6354,
101.1938

■ 6.9894, 4.0316,
10.5046

■ 101.5792, 84.7507,
130.4501

■ 3.5017, 1.6912,
5.6249

■ 129.5015,
110.0857, 164.8629

■ 1.4243, 0.4180,
2.5533

162.1222,
140.0249, 204.8508

■ 0.2734, 0.0000,
0.8682

199.8067,

■ 0.0000, 0.0000,

174.9525, 250.8323

0.0000

242.9203,
215.2530, 303.2259

■ 29.5673, 21.7639,
40.1786

■ 29.5673, 21.7639,
40.1786

■ 27.8773, 18.5694,
39.0425

■ 31.6212, 25.6835,
41.4420

■ 26.5267, 16.0523,
38.0247

■ 34.0573, 30.3663,
42.8380

■ 25.4913, 14.1638,
37.1174


■ 36.8953, 35.8511,
44.3735


■ 24.7428, 12.8474,
36.3112

■ 40.1529, 42.1733,
46.0544


■ 24.2479, 12.0365,
35.5950

■ 43.8467, 49.3661,
47.8862

 23.9393, 11.5922,
34.9585

 47.9924, 57.4610,
49.8742

 52.6051, 66.4879,
52.0235

 57.6989, 76.4752,
54.3386

 61.4731, 83.8217,
56.2196

Harmonies

Analogous

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



25.4140, 21.7639, 55.0885



29.5673, 21.7639, 40.1786



31.2965, 21.7639, 24.3128

Triad

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



29.5673, 21.7639, 40.1786



20.8998, 21.7639, 5.9257



13.6272, 21.7639, 38.6941

Complementary

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



29.5673, 21.7639, 40.1786



23.6062, 34.3200, 19.8496

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.



12.7938, 21.7639, 23.0921



29.5673, 21.7639, 40.1786



16.5840, 21.7639, 7.2973

Square

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



29.5673, 21.7639, 40.1786



25.8397, 21.7639, 7.5792



13.7891, 21.7639, 12.4807



16.2675, 21.7639, 54.0244

Rectangle

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



29.5673, 21.7639, 40.1786



30.6669, 21.7639, 16.2330



13.7891, 21.7639, 12.4807



13.1462, 21.7639, 33.1571

Sweetspot

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



29.5680, 21.7649, 40.1791



65.8426, 62.9364, 79.9150



18.8571, 16.1879, 42.1756



14.4841, 13.6979, 17.6817



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.



29.5680, 21.7649, 40.1791



50.9512, 34.4063, 71.0895



26.7331, 20.6309, 25.2506



8.3120, 8.1381, 9.9539



17.3724, 8.4115, 25.4040



0.4905, 0.2369, 0.7445

Inverse Universe

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



29.5680, 21.7649, 40.1791



50.9512, 34.4063, 71.0895



25.8544, 35.2193, 31.6885



8.3120, 8.1381, 9.9539



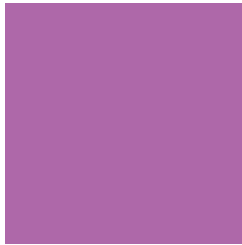
17.3724, 8.4115, 25.4040



0.4905, 0.2369, 0.7445

Previews

White Background



This preview shows how the XYZ color 29.5673, 21.7639, 40.1786 looks on a white background.

Color Contrast Check

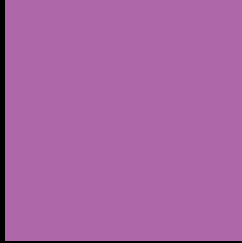
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5673, 21.7639, 40.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

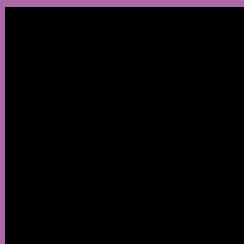
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5673, 21.7639, 40.1786

Background



This preview shows how black text looks on a background with the XYZ color 29.5673, 21.7639, 40.1786.

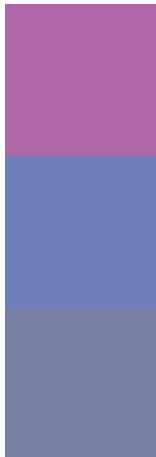


This preview shows how white text looks on a background with the XYZ color 29.5673, 21.7639,

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

29.5673, 21.7639, 40.1786

Protanopia

22.9894, 22.0816, 50.0642

Deuteranopia

22.4069, 22.0329, 38.6691



Tritanopia

25.6786, 21.7646, 21.2599

Trichromacy



Original Color

29.5673, 21.7639, 40.1786

Protanomaly

24.5079, 21.4755, 46.0335

Deuteranomaly

24.4643, 21.6095, 38.9580

Tritanomaly

26.8137, 21.5620, 27.1747

Monochromacy



Original Color

29.5673, 21.7639, 40.1786

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.1030, 22.1664, 29.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5673, 21.7639, 40.1786 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(174, 104, 169)` looks like.

```
.text, #text, p{  
    color:rgb(174, 104, 169)  
}
```

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(174, 104, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 104, 169) }
```

Border

The CSS property to change the border of an element to XYZ 29.5673, 21.7639, 40.1786 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(174, 104, 169) }
```


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

```
.border{ border-color:rgb(174, 104, 169) }
```

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

Here you see how a box with a 4 pixel rgb(174, 104, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 104, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 104, 169);  
box-shadow:4px 4px 4px 4px rgb(174, 104,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5673, 21.7639, 40.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 104, 169) }
```

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

```
.background{ background-color: rgb(174,  
104, 169) }
```

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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