

Converting Colors

XYZ(28.4289, 21.7527, 39.8964)

Have a look what the booklet for
XYZ(28.4289, 21.7527, 39.8964)
contains.

XYZ(28.3668, 21.7678, 39.7523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.3668, 21.7678,
39.7523)**

Conversions

Conversions Part 1

Format	Color
Hex	A76CA8
RGB	167, 108, 168
RGB Percent	65%, 42%, 66%
CMY	0.3451, 0.5765, 0.3412
CMYK	0.01, 0.36, 0.00, 0.34
HSL	299°, 26%, 54%
HSV	299°, 36%, 66%
XYZ	28.3668, 21.7678, 39.7523
YIQ	132.4810, 15.9040, 31.1680

Conversions

Conversions Part 2

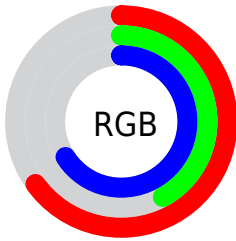
Format	Color
R _{YB}	167, 108, 168
Decimal	10972328
CIE _{Lab}	53.78, 33.36, -22.63
CIE _{LCh}	54, 40.317, 325.848
Yxy	21.7678, 0.3156, 0.2422
Android (android.graphics.Color)	4289162408 (0xFFA76CA8)
YUV	132.4810, 17.5109, 30.2732
Hunter-Lab	46.6560, 26.8799, -17.8577

Details

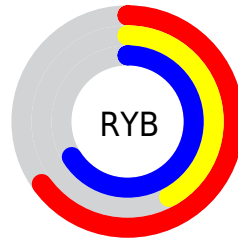
The XYZ color **28.3668, 21.7678, 39.7523** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.0169, 32.3397, 19.2176**, and the grayscale version is **22.0411, 23.1890, 25.2528**.

A 20% lighter version of the original color is **56.4956, 46.5054, 75.8108**, and **11.6558, 7.9663, 17.4463** is the 20% darker color. If you saturate the color by 10%, you get **26.7040, 18.5294, 39.2152**, and if you desaturate by 10%, it is **30.3726, 25.6910, 40.4041**.

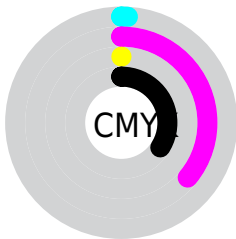
Distribution



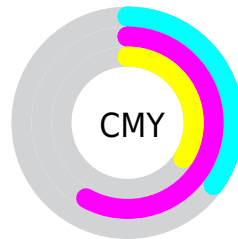
- Red (65%)
- Green (42%)
- Blue (66%)



- Red (65%)
- Yellow (42%)
- Blue (66%)



- Cyan (1%)
- Magenta (36%)
- Yellow (0%)
- Black (34%)




- Cyan (35%)
- Magenta (58%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3668, 21.7678, 39.7523 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 28.3668, 21.7678, 39.7523 by changing the saturation by 10% instead.


 28.3668, 21.7678,
39.7523


 28.3668, 21.7678,
39.7523


286.2639,
261.3313, 360.5995


 18.7442, 13.6864,
27.0332


 56.4741, 46.3619,
76.0191


 11.5885, 7.9029,
17.3655


 75.6895, 63.6434,
100.4039

 6.5343, 4.0329,
10.3307


 98.8332, 84.7604,
129.5143

 3.2163, 1.6920,
5.5103

 126.2706,
110.0972, 163.7688

 1.2692, 0.4184,
2.4857

158.3670,
140.0383, 203.5861

 0.1600, 0.0000,
0.8326

195.4878,

 0.0000, 0.0000,

174.9681, 249.3846

0.0000

237.9983,
215.2710, 301.5829

■ 28.3668, 21.7678,
39.7523

■ 28.3668, 21.7678,
39.7523

■ 26.7040, 18.5294,
39.2152

■ 30.3726, 25.6910,
40.4041

■ 25.3623, 15.9336,
38.7849

■ 32.7373, 30.3323,
41.1754

■ 24.3208, 13.9379,
38.4545


■ 35.4784, 35.7264,
42.0721


■ 23.5552, 12.4937,
38.2161


■ 38.6119, 41.9048,
43.0995


■ 23.0371, 11.5446,
38.0602


■ 42.1524, 48.8972,
44.2625


 22.7302, 11.0174,
37.9747

 46.1142, 56.7319,
45.5660

 22.6270, 10.8482,
37.9474

 50.5105, 65.4357,
47.0143

 55.3544, 75.0341,
48.6117

 59.3020, 82.8398,
49.9103

Harmonies

Analogous

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



24.5331, 21.7678, 52.2623



28.3668, 21.7678, 39.7523



30.1465, 21.7678, 25.4688

Triad

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



28.3668, 21.7678, 39.7523



21.2979, 21.7678, 6.9944



14.0690, 21.7678, 35.6817

Complementary

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



28.3668, 21.7678, 39.7523



23.0169, 32.3397, 19.2176

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.



13.4515, 21.7678, 22.0178



28.3668, 21.7678, 39.7523



17.2701, 21.7678, 8.0746

Square

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



28.3668, 21.7678, 39.7523



25.7206, 21.7678, 8.9457



14.5400, 21.7678, 12.6835



16.3616, 21.7678, 49.3939

Rectangle

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



28.3668, 21.7678, 39.7523



29.7697, 21.7678, 17.7717



14.5400, 21.7678, 12.6835



13.6737, 21.7678, 30.8221

Sweetspot

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



28.3675, 21.7688, 39.7528



61.5633, 59.2841, 75.4233



18.7218, 16.9537, 39.3317



13.2809, 12.6515, 16.3941



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.3675, 21.7688, 39.7528



48.9919, 34.6614, 71.3333



26.1719, 20.9150, 27.0846



7.8294, 7.6602, 9.4842



17.0914, 8.1944, 28.6563



0.4196, 0.2013, 0.6974

Inverse Universe

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



24.2721, 20.1551, 17.0801



40.4404, 31.2953, 23.8419



24.7031, 33.0001, 28.7355



7.5360, 7.5443, 7.8737



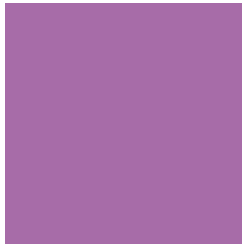
12.2082, 6.2920, 0.6418



0.2986, 0.1537, 0.0237

Previews

White Background



This preview shows how the XYZ color 28.3668, 21.7678, 39.7523 looks on a white background.

Color Contrast Check

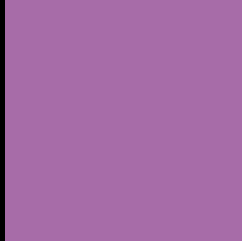
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3668, 21.7678, 39.7523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

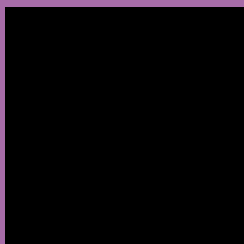
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3668, 21.7678, 39.7523

Background



This preview shows how black text looks on a background with the XYZ color 28.3668, 21.7678, 39.7523.



This preview shows how white text looks on a background with the XYZ color 28.3668, 21.7678,

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

28.3668, 21.7678, 39.7523

Protanopia

22.7150, 22.0009, 47.3054

Deuteranopia

22.5493, 22.1063, 38.6758



Tritanopia

24.8251, 21.8060, 22.6392

Trichromacy



Original Color

28.3668, 21.7678, 39.7523

Protanomaly

24.1680, 21.5128, 44.4736

Deuteranomaly

24.2469, 21.6751, 38.9822

Tritanomaly

25.9293, 21.7442, 28.0297

Monochromacy



Original Color

28.3668, 21.7678, 39.7523

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.8708, 22.2300, 29.8208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3668, 21.7678, 39.7523 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, 108, 168)` looks like.

```
.text, #text, p{  
    color:rgb(167, 108, 168)  
}
```

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, 108, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 108, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.3668, 21.7678, 39.7523 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, 108, 168) }
```


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

```
.border{ border-color:rgb(167, 108, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 108, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 108, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 108, 168);  
box-shadow:4px 4px 4px 4px rgb(167, 108,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3668, 21.7678, 39.7523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 108, 168) }
```

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

```
.background{ background-color: rgb(167,  
108, 168) }
```

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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