

# Converting Colors

XYZ(28.0019, 21.3579, 42.6910)

Have a look what the booklet for  
XYZ(28.0019, 21.3579, 42.6910)  
contains.

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# Color

**XYZ(28.0019, 21.3579,  
42.6910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A36BAE
RGB	163, 107, 174
RGB Percent	64%, 42%, 68%
CMY	0.3608, 0.5804, 0.3176
CMYK	0.06, 0.39, 0.00, 0.32
HSL	290°, 29%, 55%
HSV	290°, 39%, 68%
XYZ	28.0019, 21.3579, 42.6910
YIQ	131.3820, 11.8690, 32.7090

# Conversions

## Conversions Part 2

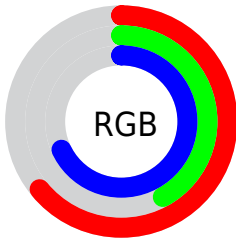
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 107, 174
Decimal	10709934
CIE Lab	53.34, 33.83, -26.83
CIE LCh	53, 43.175, 321.576
Yxy	21.3579, 0.3042, 0.2320
Android (android.graphics.Color)	4288900014 (0xFFA36BAE)
YUV	131.3820, 21.0107, 27.7290
Hunter-Lab	46.2146, 27.2794, -22.4192

# Details

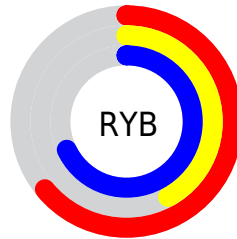
The XYZ color **28.0019, 21.3579, 42.6910** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.2618, 35.1857, 19.3710**, and the grayscale version is **21.6348, 22.7615, 24.7872**.

A 20% lighter version of the original color is **55.8945, 45.5695, 80.7127**, and **11.3947, 7.7216, 18.9790** is the 20% darker color. If you saturate the color by 10%, you get **25.7890, 17.7901, 42.1193**, and if you desaturate by 10%, it is **30.5945, 25.6644, 43.3859**.

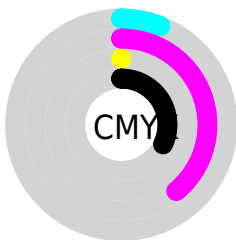
# Distribution



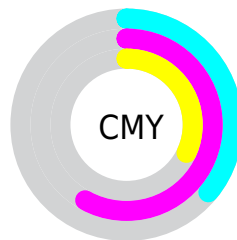
- Red (64%)
- Green (42%)
- Blue (68%)



- Red (64%)
- Yellow (42%)
- Blue (68%)



- Cyan (6%)
- Magenta (39%)
- Yellow (0%)
- Black (32%)




- Cyan (36%)
- Magenta (58%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0019, 21.3579, 42.6910 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 28.0019, 21.3579, 42.6910 by changing the saturation by 10% instead.




 28.0019, 21.3579,  
42.6910


 28.0019, 21.3579,  
42.6910


284.5559,  
259.1745, 373.2233


 18.4676, 13.3859,  
29.3131


 55.8961, 45.6824,  
80.5257


 11.3879, 7.6948,  
19.0702


 74.9867, 62.8037,  
105.8196

 6.3976, 3.9003,  
11.5437


 97.9933, 83.7435,  
135.9227

 3.1313, 1.6179,  
6.3150

 125.2815,  
108.8863, 171.2533

 1.2235, 0.3696,  
2.9657

157.2165,  
138.6163, 212.2302

 0.1248, 0.0000,  
1.0772

194.1636,

 0.0000, 0.0000,

173.3181, 259.2718

0.0000

236.4883,  
213.3760, 312.7966

■ 28.0019, 21.3579,  
42.6910

■ 28.0019, 21.3579,  
42.6910

■ 25.7890, 17.7901,  
42.1193

■ 30.5945, 25.6644,  
43.3859

■ 23.9314, 14.9142,  
41.6621

■ 33.5849, 30.7471,  
44.2094

■ 22.4055, 12.6822,  
41.3117

■ 36.9926, 36.6447,  
45.1681

■ 21.1836, 11.0388,  
41.0589

■ 40.8351, 43.3919,  
46.2679

■ 20.2332, 9.9195,  
40.8929

■ 45.1291, 51.0219,  
47.5144

■ 19.4977, 9.2108,  
40.7949

■ 49.8901, 59.5658,  
48.9126

■ 19.3937, 9.1152,  
40.7820

■ 55.1331, 69.0533,  
50.4675

■ 60.8723, 79.5127,  
52.1839

■ 64.3148, 85.3580,  
53.1307

# Harmonies

## Analogous

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



23.7102, 21.3579, 55.4352



28.0019, 21.3579, 42.6910



30.3056, 21.3579, 27.1448

# Triad

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



28.0019, 21.3579, 42.6910



21.6163, 21.3579, 6.1750



13.1687, 21.3579, 33.8056

# Complementary

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



28.0019, 21.3579, 42.6910



25.2618, 35.1857, 19.3710

# 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.



12.7817, 21.3579, 19.7559



28.0019, 21.3579, 42.6910



17.2336, 21.3579, 6.8129

# Square

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



28.0019, 21.3579, 42.6910



26.2731, 21.3579, 8.5741



14.1583, 21.3579, 10.8482



15.3087, 21.3579, 49.1061



# Rectangle

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



28.0019, 21.3579, 42.6910



30.1960, 21.3579, 18.5566



14.1583, 21.3579, 10.8482



12.8436, 21.3579, 28.6865

# Sweetspot

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



28.0026, 21.3588, 42.6915



64.7179, 62.3257, 81.2559



20.2023, 19.1789, 42.6818



14.2086, 13.5483, 18.0105



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.



28.0026, 21.3588, 42.6915



47.4102, 33.2724, 76.5603



28.3541, 21.7710, 32.2713



8.2061, 8.0805, 10.0799



14.1086, 6.6331, 29.5812



0.4263, 0.2019, 0.8245



# Inverse Universe

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



25.9840, 20.8230, 19.7902



43.4014, 32.2624, 28.6320



25.1848, 34.9923, 26.3130



8.0569, 8.0360, 8.6104



12.8329, 6.5957, 1.4996

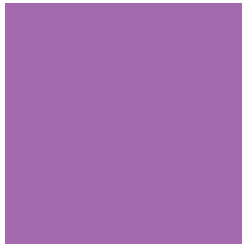


0.3728, 0.1898, 0.1252



# Previews

## White Background



This preview shows how the XYZ color 28.0019, 21.3579, 42.6910 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 28.0019, 21.3579, 42.6910 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 28.0019, 21.3579, 42.6910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0019, 21.3579, 42.6910.



This preview shows how white text looks on a background with the XYZ color 28.0019, 21.3579,



# 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

28.0019, 21.3579, 42.6910

### Protanopia

22.7096, 21.7216, 51.1399

### Deuteranopia

21.9190, 21.5370, 41.0320



## Tritanopia

23.8375, 21.2969, 22.5930

# Trichromacy



## Original Color

28.0019, 21.3579, 42.6910

## Protanomaly

24.0010, 21.1664, 48.1679

## Deuteranomaly

23.6204, 21.1205, 41.3598

## Tritanomaly

25.1611, 21.1644, 28.7456

# Monochromacy



## Original Color

28.0019, 21.3579, 42.6910

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

23.5537, 21.8653, 30.5828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0019, 21.3579, 42.6910 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(163, 107, 174)` looks like.

```
.text, #text, p{  
    color:rgb(163, 107, 174)  
}
```

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(163, 107, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 107, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0019, 21.3579, 42.6910 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(163, 107, 174) }
```



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

```
.border{ border-color:rgb(163, 107, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 107, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 107, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 107, 174);  
box-shadow:4px 4px 4px 4px rgb(163, 107,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0019, 21.3579, 42.6910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 107, 174) }
```

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

```
.background{ background-color: rgb(163,  
107, 174) }
```

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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