

Converting Colors

XYZ(28.2541, 21.5616, 39.3677)

Have a look what the booklet for
XYZ(28.2541, 21.5616, 39.3677)
contains.

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Color

**XYZ(28.1691, 21.5209,
39.2285)**

Conversions

Conversions Part 1

Format	Color
Hex	A76BA7
RGB	167, 107, 167
RGB Percent	65%, 42%, 65%
CMY	0.3451, 0.5804, 0.3451
CMYK	0.00, 0.36, 0.00, 0.35
HSL	300°, 25%, 54%
HSV	300°, 36%, 65%
XYZ	28.1691, 21.5209, 39.2285
YIQ	131.7800, 16.5000, 31.3800

Conversions

Conversions Part 2

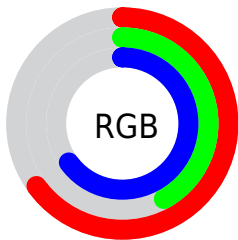
Format	Color
R _Y B	167, 107, 167
Decimal	10972071
CIE Lab	53.51, 33.73, -22.46
CIE LCh	54, 40.521, 326.340
Yxy	21.5209, 0.3168, 0.2420
Android (android.graphics.Color)	4289162151 (0xFFA76BA7)
YUV	131.7800, 17.3635, 30.8879
Hunter-Lab	46.3906, 27.2044, -17.6629

Details

The XYZ color **28.1691, 21.5209, 39.2285** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.5369, 31.8255, 18.8662**, and the grayscale version is **21.7889, 22.9236, 24.9638**.

A 20% lighter version of the original color is **56.0144, 45.7582, 74.9872**, and **11.5470, 7.8413, 17.1246** is the 20% darker color. If you saturate the color by 10%, you get **26.5935, 18.3693, 38.7035**, and if you desaturate by 10%, it is **30.0823, 25.3469, 39.8665**.

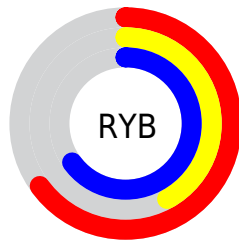
Distribution



Red (65%)

Green (42%)

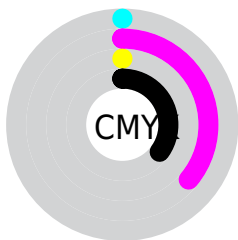
Blue (65%)



Red (65%)

Yellow (42%)

Blue (65%)

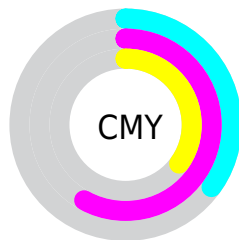


Cyan (0%)

Magenta (36%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (58%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1691, 21.5209, 39.2285 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 28.1691, 21.5209, 39.2285 by changing the saturation by 10% instead.

 28.1691, 21.5209,
39.2285


 28.1691, 21.5209,
39.2285


285.3395,
260.0340, 358.3159

 18.5943, 13.5053,
26.6283


 56.1611, 45.9529,
75.2114


 11.4797, 7.7774,
17.0643


 75.3089, 63.1380,
99.4313

 6.4602, 3.9528,
10.1179


 98.3785, 84.1484,
128.3615

 3.1701, 1.6472,
5.3706

 125.7351,
109.3686, 162.4205

 1.2444, 0.3891,
2.4038

157.7442,
139.1828, 202.0269

 0.1410, 0.0000,
0.7885

194.7710,

 0.0000, 0.0000,

173.9755, 247.5993

0.0000

237.1810,
214.1311, 299.5561

■ 28.1691, 21.5209,
39.2285

■ 28.1691, 21.5209,
39.2285

■ 26.5935, 18.3693,
38.7035

■ 30.0823, 25.3469,
39.8665

■ 25.3341, 15.8504,
38.2836

■ 32.3490, 29.8801,
40.6221

■ 24.3700, 13.9224,
37.9622

■ 34.9863, 35.1549,
41.5013

■ 23.6773, 12.5370,
37.7312

■ 38.0100, 41.2022,
42.5093

■ 23.2281, 11.6386,
37.5814

■ 41.4347, 48.0515,
43.6509

■ 22.9855, 11.1533,
37.5005

■ 45.2742, 55.7305,
44.9308

■ 22.9116, 11.0056,
37.4758

■ 49.5418, 64.2658,
46.3534

■ 54.2502, 73.6825,
47.9229

■ 58.6718, 82.5257,
49.3968

Harmonies

Analogous

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



24.3625, 21.5209, 51.8374



28.1691, 21.5209, 39.2285



29.9048, 21.5209, 24.9827

Triad

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



28.1691, 21.5209, 39.2285



20.9893, 21.5209, 6.8166



13.8827, 21.5209, 35.6391

Complementary

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



28.1691, 21.5209, 39.2285



22.5369, 31.8255, 18.8662

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.



13.2406, 21.5209, 21.9480



28.1691, 21.5209, 39.2285



16.9893, 21.5209, 7.9348

Square

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



28.1691, 21.5209, 39.2285



25.4081, 21.5209, 8.6950



14.2959, 21.5209, 12.5738



16.1914, 21.5209, 49.3041

Rectangle

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



28.1691, 21.5209, 39.2285



29.4967, 21.5209, 17.3618



14.2959, 21.5209, 12.5738



13.4802, 21.5209, 30.7754

Sweetspot

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



28.1698, 21.5218, 39.2290



60.0824, 57.8092, 73.4668



18.2971, 16.4323, 38.7672



13.3103, 12.6666, 16.3955



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.



28.1698, 21.5218, 39.2290



48.1839, 34.0123, 69.5002



25.7102, 20.5380, 26.2770



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Inverse Universe

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



28.1698, 21.5218, 39.2290



48.1839, 34.0123, 69.5002



24.3983, 32.5701, 28.6686



7.8419, 7.6666, 9.4848



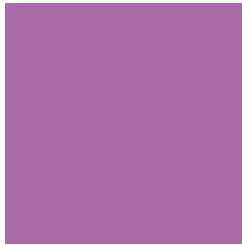
17.5319, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 28.1691, 21.5209, 39.2285 looks on a white background.

Color Contrast Check

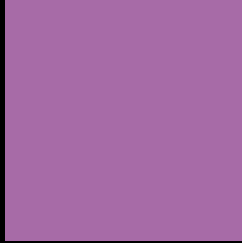
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1691, 21.5209, 39.2285 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 28.1691, 21.5209, 39.2285

Background



This preview shows how black text looks on a background with the XYZ color 28.1691, 21.5209, 39.2285.



This preview shows how white text looks on a background with the XYZ color 28.1691, 21.5209,

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

28.1691, 21.5209, 39.2285

Protanopia

22.4599, 21.6786, 47.2566

Deuteranopia

22.1877, 21.7396, 38.1487



Tritanopia

24.6450, 21.5485, 22.2624

Trichromacy



Original Color

28.1691, 21.5209, 39.2285

Protanomaly

23.8927, 21.1933, 44.4264

Deuteranomaly

23.8696, 21.3135, 38.4532

Tritanomaly

25.7430, 21.4902, 27.6022

Monochromacy



Original Color

28.1691, 21.5209, 39.2285

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 28.1691, 21.5209, 39.2285 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, 107, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 107, 167)  
}
```

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, 107, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 107, 167) }
```

Border

The CSS property to change the border of an element to XYZ 28.1691, 21.5209, 39.2285 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, 107, 167) }
```


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

```
.border{ border-color:rgb(167, 107, 167) }
```

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

Here you see how a box with a 4 pixel rgb(167, 107, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 107, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 107, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 107,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1691, 21.5209, 39.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 107, 167) }
```

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

```
.background{ background-color: rgb(167,  
107, 167) }
```

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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