

Converting Colors

XYZ(33.5659, 27.8202, 58.9968)

Have a look what the booklet for
XYZ(33.5659, 27.8202, 58.9968)
contains.

XYZ(33.4971, 27.7041, 58.8403)	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(33.4971, 27.7041,
58.8403)**

Conversions

Conversions Part 1

Format	Color
Hex	A381C9
RGB	163, 129, 201
RGB Percent	64%, 51%, 79%
CMY	0.3608, 0.4941, 0.2118
CMYK	0.19, 0.36, 0.00, 0.21
HSL	268°, 40%, 65%
HSV	268°, 36%, 79%
XYZ	33.4971, 27.7041, 58.8403
YIQ	147.3740, -2.8480, 29.6000

Conversions

Conversions Part 2

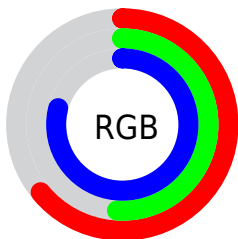
Format	Color
R_{YB}	163, 129, 201
Decimal	10715593
CIE _{Lab}	59.62, 27.23, -32.53
CIE _{LCh}	60, 42.417, 309.933
Yxy	27.7041, 0.2790, 0.2308
Android (android.graphics.Color)	4288905673 (0xFFA381C9)
YUV	147.3740, 26.4376, 13.7040
Hunter-Lab	52.6347, 21.4880, -29.4360

Details

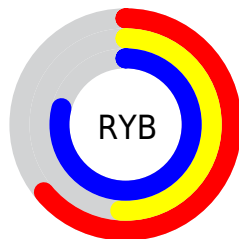
The XYZ color **33.4971, 27.7041, 58.8403** is a light color, and the websafe version is hex **996699**. A complement of this color would be **40.7863, 51.5745, 28.5753**, and the grayscale version is **27.7835, 29.2304, 31.8319**.

A 20% lighter version of the original color is **63.9914, 55.7360, 101.9931**, and **14.4928, 11.0135, 28.9657** is the 20% darker color. If you saturate the color by 10%, you get **29.0237, 21.8472, 57.9460**, and if you desaturate by 10%, it is **38.6754, 34.6987, 59.9179**.

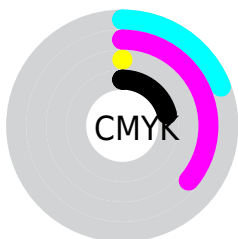
Distribution



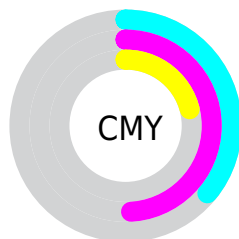
- Red (64%)
- Green (51%)
- Blue (79%)



- Red (64%)
- Yellow (51%)
- Blue (79%)



- Cyan (19%)
- Magenta (36%)
- Yellow (0%)
- Black (21%)



- Cyan (36%)
- Magenta (49%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4971, 27.7041, 58.8403 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 33.4971, 27.7041, 58.8403 by changing the saturation by 10% instead.

■ 33.4971, 27.7041,
58.8403

■ 33.4971, 27.7041,
58.8403

309.5093,
291.0503, 437.9952

■ 22.6686, 18.1027,
42.0654

■ 64.5003, 56.0117,
104.6724

■ 14.4683, 11.0238,
28.8266

■ 85.4058, 75.4867,
134.5666

■ 8.5310, 6.0828,
18.7052

■ 110.4009, 99.0216,
169.6711

■ 4.4912, 2.8955,
11.2828

139.8511,
127.0010, 210.4042

■ 1.9836, 1.0774,
6.1408

174.1217,
159.8092, 257.1847

■ 0.6247, 0.0000,
2.8607

213.5780,

■ 0.0000, 0.0000,

197.8305, 310.4310

1.0240

258.5854,
241.4494, 370.5617

■ 0.0000, 0.0000,
0.0000

■ 33.4971, 27.7041,
58.8403

■ 33.4971, 27.7041,
58.8403

■ 29.0237, 21.8472,
57.9460

■ 38.6754, 34.6987,
59.9179

■ 25.2172, 17.0609,
57.2228

■ 44.5882, 42.8862,
61.1866

■ 22.0400, 13.2763,
56.6598

■ 51.2668, 52.3222,
62.6560

■ 19.4492, 10.4145,
56.2439

■ 58.7396, 63.0576,
64.3342

■ 17.3954, 8.3841,
55.9603

■ 67.0336, 75.1406,
66.2294

15.8179, 7.0720,
55.7901

76.1744, 88.6168,
68.3488

15.2533, 6.6455,
55.7376

81.3150, 93.7866,
69.0757

84.9679, 95.6697,
69.2466

87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



28.1453, 27.7041, 69.4506



33.4971, 27.7041, 58.8403



37.2162, 27.7041, 41.4364

Triad

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



33.4971, 27.7041, 58.8403



30.0190, 27.7041, 10.1010



17.4485, 27.7041, 35.5339

Complementary

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



33.4971, 27.7041, 58.8403



40.7863, 51.5745, 28.5753

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.



17.8082, 27.7041, 21.1490



33.4971, 27.7041, 58.8403



24.5981, 27.7041, 9.4658

Square

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



33.4971, 27.7041, 58.8403



35.0273, 27.7041, 14.9388



20.2691, 27.7041, 12.7532



19.2097, 27.7041, 53.2842

Rectangle

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



33.4971, 27.7041, 58.8403



38.0077, 27.7041, 30.1994



20.2691, 27.7041, 12.7532



17.3317, 27.7041, 30.1307

Sweetspot

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



33.4981, 27.7052, 58.8409



81.5071, 80.6904, 105.8867



33.4890, 36.6694, 60.5717



17.1135, 16.8023, 22.5911



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.4981, 27.7052, 58.8409



51.2886, 39.4656, 99.5222



41.8408, 32.0061, 59.2314



10.5250, 10.5289, 13.3950



9.6947, 4.2320, 35.0503



0.5425, 0.2434, 1.6635

Inverse Universe

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



38.9136, 30.9091, 40.4754



62.2249, 45.9403, 62.2260



34.2722, 48.2163, 28.2704



10.8638, 10.7289, 12.2662



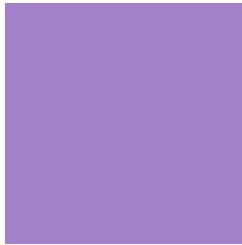
16.8304, 8.4817, 9.5825



0.8333, 0.4162, 0.6454

Previews

White Background



This preview shows how the XYZ color 33.4971, 27.7041, 58.8403 looks on a white background.

Color Contrast Check

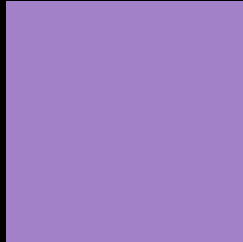
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4971, 27.7041, 58.8403 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 33.4971, 27.7041, 58.8403

Background



This preview shows how black text looks on a background with the XYZ color 33.4971, 27.7041, 58.8403.



This preview shows how white text looks on a background with the XYZ color 33.4971, 27.7041,

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

33.4971, 27.7041, 58.8403

Protanopia

29.1679, 27.8178, 65.4601

Deuteranopia

28.4702, 27.8588, 57.3028



Tritanopia

28.0641, 27.5373, 32.6903

Trichromacy



Original Color

33.4971, 27.7041, 58.8403

Protanomaly

30.3615, 27.6306, 62.7645

Deuteranomaly

29.9019, 27.5038, 57.7656

Tritanomaly

29.7300, 27.3606, 41.2503

Monochromacy



Original Color

33.4971, 27.7041, 58.8403

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.4900, 28.3185, 40.4709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4971, 27.7041, 58.8403 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, 129, 201)` looks like.

```
.text, #text, p{  
    color:rgb(163, 129, 201)  
}
```

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, 129, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 129, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.4971, 27.7041, 58.8403 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, 129, 201) }
```


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

```
.border{ border-color:rgb(163, 129, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 129, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 129, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 129, 201); box-shadow:4px 4px 4px 4px rgb(163, 129, 201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4971, 27.7041, 58.8403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 129, 201) }
```

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

```
.background{ background-color: rgb(163,  
129, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor