

Converting Colors

XYZ(35.0500, 27.0258, 72.1209)

Have a look what the booklet for
XYZ(35.0500, 27.0258, 72.1209)
contains.

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Color

**XYZ(35.0344, 27.0678,
71.7847)**

Conversions

Conversions Part 1

Format	Color
Hex	A27BDD
RGB	162, 123, 221
RGB Percent	64%, 48%, 87%
CMY	0.3647, 0.5176, 0.1333
CMYK	0.27, 0.44, 0.00, 0.13
HSL	264°, 59%, 67%
HSV	264°, 44%, 87%
XYZ	35.0344, 27.0678, 71.7847
YIQ	145.8330, -8.2140, 38.7460

Conversions

Conversions Part 2

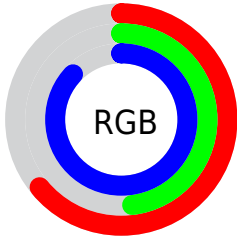
Format	Color
RYB	162, 123, 221
Decimal	10648541
CIELab	59.04, 35.06, -44.69
CIELCh	59, 56.808, 308.115
Yxy	27.0678, 0.2617, 0.2022
Android (android.graphics.Color)	4288838621 (0xFFA27BDD)
YUV	145.8330, 37.0573, 14.1785
Hunter-Lab	52.0267, 29.1538, -45.3876

Details

The XYZ color **35.0344, 27.0678, 71.7847** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.7236, 63.0886, 28.3492**, and the grayscale version is **27.1098, 28.5216, 31.0600**.

A 20% lighter version of the original color is **62.7888, 53.3307, 101.5923**, and **15.3584, 10.6698, 36.8473** is the 20% darker color. If you saturate the color by 10%, you get **30.0348, 20.8702, 70.8524**, and if you desaturate by 10%, it is **40.9408, 34.6525, 72.9379**.

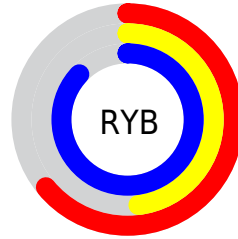
Distribution



Red (64%)

Green (48%)

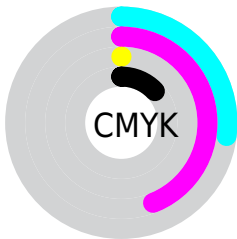
Blue (87%)



Red (64%)

Yellow (48%)

Blue (87%)

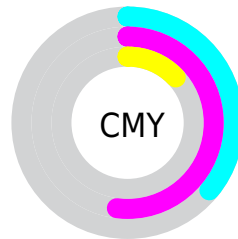


Cyan (27%)

Magenta (44%)

Yellow (0%)

Black (13%)



Cyan (36%)

Magenta (52%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0344, 27.0678, 71.7847 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 35.0344, 27.0678, 71.7847 by changing the saturation by 10% instead.

■ 35.0344, 27.0678,
71.7847

■ 35.0344, 27.0678,
71.7847

316.2255,
287.9852, 485.7493

■ 23.8560, 17.6241,
52.4971

■ 66.8727, 54.9926,
123.4553

■ 15.3510, 10.6805,
37.0165

■ 88.2634, 74.2426,
156.6752

■ 9.1540, 5.8524,
24.9243

■ 113.7888, 97.5302,
195.3764

■ 4.8997, 2.7555,
15.8022

143.8144,
125.2397, 239.9774

■ 2.2227, 1.0055,
9.2314

178.7055,
157.7556, 290.8966

■ 0.7547, 0.0000,
4.7936

218.8275,

■ 0.0000, 0.0000,

195.4622, 348.5526

2.0701

264.5457,
238.7439, 413.3640

■ 0.0000, 0.0000,
0.5979

■ 0.0000, 0.0000,
0.0000

■ 35.0344, 27.0678,
71.7847

■ 35.0344, 27.0678,
71.7847

■ 30.0348, 20.8702,
70.8524

■ 40.9408, 34.6525,
72.9379

■ 25.8880, 15.9676,
70.1247

■ 47.7975, 43.7018,
74.3232

■ 22.5382, 12.2614,
69.5859

■ 55.6490, 54.2914,
75.9534

■ 19.9206, 9.6368,
69.2172

■ 64.5356, 66.4905,
77.8396

■ 17.9580, 7.9543,
68.9959

■ 74.4955, 80.3642,
79.9926

■ 17.0711, 7.2928,
68.9150

■ 85.3718, 95.5882,
82.3579

■ 90.0512, 98.0005,
82.5769

Harmonies

Analogous

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



27.6886, 27.0678, 87.0350



35.0344, 27.0678, 71.7847



40.4677, 27.0678, 46.4409

Triad

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



35.0344, 27.0678, 71.7847



31.1180, 27.0678, 6.1318



14.5052, 27.0678, 35.2995

Complementary

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



35.0344, 27.0678, 71.7847



48.7236, 63.0886, 28.3492

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.



15.0868, 27.0678, 17.2405



35.0344, 27.0678, 71.7847



23.8606, 27.0678, 5.3242

Square

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



35.0344, 27.0678, 71.7847



37.9343, 27.0678, 11.4168



18.2341, 27.0678, 8.2643



16.4676, 27.0678, 60.5173

Rectangle

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



35.0344, 27.0678, 71.7847



41.7933, 27.0678, 30.7676



18.2341, 27.0678, 8.2643



14.4177, 27.0678, 28.2137

Sweetspot

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



35.0354, 27.0688, 71.7853



78.4064, 77.0523, 105.3479



38.2434, 43.4784, 74.7836



16.2306, 15.7413, 22.4329



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.



35.0354, 27.0688, 71.7853



42.1228, 29.5737, 98.0959



46.5900, 33.0254, 72.3261



12.8266, 12.8687, 16.4600



10.0363, 4.2981, 40.0390



0.7456, 0.3277, 2.5984

Inverse Universe

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



45.3460, 32.9164, 48.2201



58.5064, 38.8841, 59.8128



39.3332, 58.2476, 27.9098



13.3835, 13.1825, 15.2810



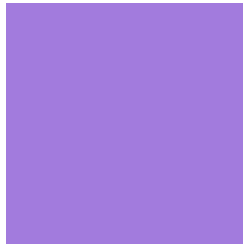
19.8409, 9.9374, 14.0740



1.3275, 0.6606, 1.1333

Previews

White Background



This preview shows how the XYZ color 35.0344, 27.0678, 71.7847 looks on a white background.

Color Contrast Check

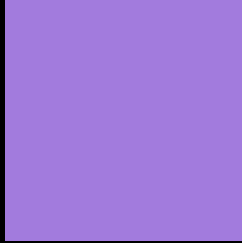
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0344, 27.0678, 71.7847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

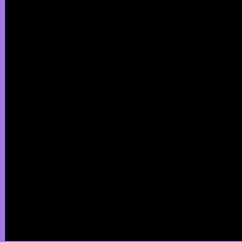
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0344, 27.0678, 71.7847

Background



This preview shows how black text looks on a background with the XYZ color 35.0344, 27.0678, 71.7847.



This preview shows how white text looks on a background with the XYZ color 35.0344, 27.0678,

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

35.0344, 27.0678, 71.7847

Protanopia

29.8215, 27.3470, 82.3040

Deuteranopia

28.0231, 27.3590, 69.4495



Tritanopia

27.1321, 27.0568, 32.6466

Trichromacy



Original Color

35.0344, 27.0678, 71.7847

Protanomaly

30.9826, 26.7733, 78.3977

Deuteranomaly

29.9230, 26.8255, 69.9304

Tritanomaly

29.5504, 26.7797, 44.6858

Monochromacy



Original Color

35.0344, 27.0678, 71.7847

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.5802, 27.8695, 43.3555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0344, 27.0678, 71.7847 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(162, 123, 221)` looks like.

```
.text, #text, p{  
    color:rgb(162, 123, 221)  
}
```

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(162, 123, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 123, 221) }
```

Border

The CSS property to change the border of an element to XYZ 35.0344, 27.0678, 71.7847 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(162, 123, 221) }
```


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

```
.border{ border-color:rgb(162, 123, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 123, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 123, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 123, 221);  
box-shadow:4px 4px 4px 4px rgb(162, 123,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0344, 27.0678, 71.7847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 123, 221) }
```

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

```
.background{ background-color: rgb(162,  
123, 221) }
```

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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