

Converting Colors

XYZ(16.9928, 8.6383, 6.3057)

Have a look what the booklet for
XYZ(16.9928, 8.6383, 6.3057)
contains.

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Color

**XYZ(16.9797, 8.6328,
6.2402)**

Conversions

Conversions Part 1

Format	Color
Hex	A70044
RGB	167, 0, 68
RGB Percent	65%, 0%, 27%
CMY	0.3451, 0.9999, 0.7333
CMYK	0.00, 1.00, 0.59, 0.35
HSL	336°, 100%, 33%
HSV	336°, 100%, 65%
XYZ	16.9797, 8.6328, 6.2402
YIQ	57.6850, 77.7040, 56.5520

Conversions

Conversions Part 2

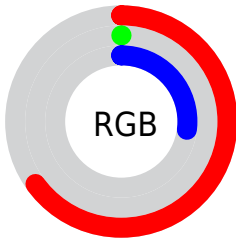
Format	Color
RYB	167, 0, 68
Decimal	10944580
CIELab	35.27, 60.62, 11.28
CIElCh	35, 61.661, 10.543
Yxy	8.6328, 0.5331, 0.2710
Android (android.graphics.Color)	4289134660 (0xFFA70044)
YUV	57.6850, 5.0853, 95.8693
Hunter-Lab	29.3816, 51.7377, 7.9749

Details

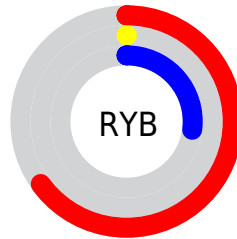
The XYZ color **16.9797, 8.6328, 6.2402** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0722, 28.5387, 16.4718**, and the grayscale version is **3.9675, 4.1742, 4.5457**.

A 20% lighter version of the original color is **37.8717, 23.2037, 19.0057**, and **6.2499, 3.2004, 1.2656** is the 20% darker color. If you saturate the color by 10%, you get **16.9792, 8.6326, 6.2379**, and if you desaturate by 10%, it is **17.5041, 9.1565, 8.0340**.

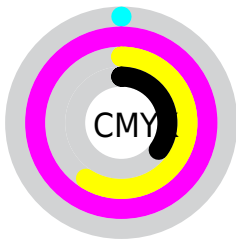
Distribution



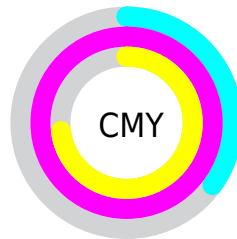
- Red (65%)
- Green (0%)
- Blue (27%)



- Red (65%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (35%)



- Cyan (35%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9797, 8.6328, 6.2402 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 16.9797, 8.6328, 6.2402 by changing the saturation by 10% instead.


 16.9797, 8.6328,
6.2402


 16.9797, 8.6328,
6.2402


228.2139,
180.6145, 170.5760


 10.3152, 4.5025,
2.9205


 37.8347, 23.1900,
18.9137


 5.6723, 1.9584,
1.0542

 52.7560, 34.3856,
29.1045


 2.6856, 0.5831,
0.0000

 71.1603, 48.7051,
42.4229

 0.9898, 0.0000,
0.0000

 93.4129, 66.5328,
59.2873

 0.0000, 0.0000,
0.0000

 119.8792, 88.2532,
80.1163

 150.9246,

114.2507, 105.3283

186.9144,
144.9097, 135.3421

16.9797, 8.6328,
6.2402

16.9797, 8.6328,
6.2402

16.9792, 8.6326,
6.2379

17.5041, 9.1565,
8.0340

18.2453, 10.0282,
10.1638

19.2728, 11.3836,
12.6637

20.6188, 13.2832,
15.5548

22.3106, 15.7788,
18.8561

■ 24.3724, 18.9158,
22.5851

■ 26.8263, 22.7354,
26.7581

■ 29.6925, 27.2751,
31.3904

■ 32.9898, 32.5699,
36.4966

Harmonies

Analogous

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



16.5350, 8.6328, 17.5926



16.9797, 8.6328, 6.2402



14.6098, 8.6328, 1.5347

Triad

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



16.9797, 8.6328, 6.2402



4.5013, 8.6328, 0.9752



6.1234, 8.6328, 42.8222

Complementary

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



16.9797, 8.6328, 6.2402



16.0722, 28.5387, 16.4718

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.



4.0142, 8.6328, 28.8608



16.9797, 8.6328, 6.2402



3.2833, 8.6328, 4.2518

Square

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



16.9797, 8.6328, 6.2402



7.0115, 8.6328, 0.0130



3.1356, 8.6328, 13.4779



9.5273, 8.6328, 45.0338

Rectangle

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



16.9797, 8.6328, 6.2402



12.0677, 8.6328, 0.4975



3.1356, 8.6328, 13.4779



5.2697, 8.6328, 39.0382

Sweetspot

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



16.9799, 8.6333, 6.2403



47.7803, 40.3030, 47.4841



11.9506, 5.3554, 36.9628



10.2778, 8.3708, 9.9302



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.



16.9799, 8.6333, 6.2403



30.3124, 15.4220, 10.6636



16.0926, 8.5279, 0.7986



7.6530, 7.5910, 8.4897



13.0158, 6.6151, 4.8950



0.3422, 0.1712, 0.2535

Inverse Universe

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



16.9799, 8.6333, 6.2403



30.3124, 15.4220, 10.6636



18.3805, 25.6005, 40.5316



7.6530, 7.5910, 8.4897



13.0158, 6.6151, 4.8950



0.3422, 0.1712, 0.2535

Previews

White Background



This preview shows how the XYZ color 16.9797, 8.6328, 6.2402 looks on a white background.

Color Contrast Check

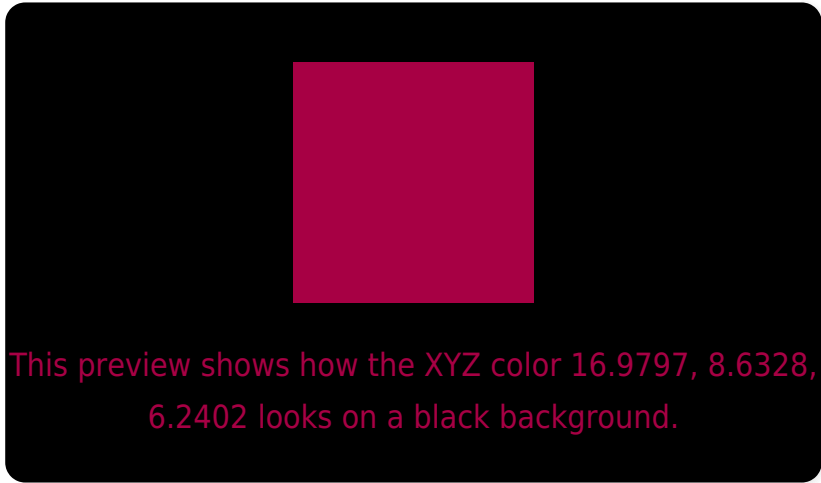
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

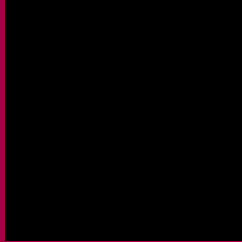
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9797, 8.6328, 6.2402

Background



This preview shows how black text looks on a background with the XYZ color 16.9797, 8.6328, 6.2402.



This preview shows how white text looks on a background with the XYZ color 16.9797, 8.6328,

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

16.9797, 8.6328, 6.2402

Protanopia

9.0679, 9.2369, 13.1093

Deuteranopia

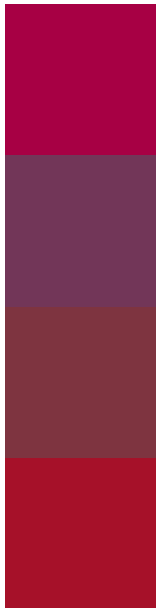
9.3391, 9.1963, 5.6977



Tritanopia

16.3043, 8.9654, 1.8485

Trichromacy



Original Color

16.9797, 8.6328, 6.2402

Protanomaly

10.0200, 6.9203, 10.0402

Deuteranomaly

10.7576, 7.2618, 5.6852

Tritanomaly

16.3266, 8.6680, 2.9104

Monochromacy



Original Color

16.9797, 8.6328, 6.2402

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5681, 4.2676, 5.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9797, 8.6328, 6.2402 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, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 68)  
}
```

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, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.9797, 8.6328, 6.2402 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, 0, 68) }
```


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

```
.border{ border-color:rgb(167, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(167, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9797, 8.6328, 6.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 68) }
```

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

```
.background{ background-color: rgb(167, 0,  
68) }
```

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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