

Converting Colors

XYZ(16.5289, 7.9401, 27.0160)

Have a look what the booklet for
XYZ(16.5289, 7.9401, 27.0160)
contains.

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Color

**XYZ(16.5356, 7.9429,
27.0472)**

Conversions

Conversions Part 1	
Format	Color
Hex	900090
RGB	144, 0, 144
RGB Percent	56%, 0%, 56%
CMY	0.4353, 0.9999, 0.4353
CMYK	0.00, 1.00, 0.00, 0.44
HSL	300°, 100%, 28%
HSV	300°, 100%, 56%
XYZ	16.5356, 7.9429, 27.0472
YIQ	59.4720, 39.6000, 75.3120

Conversions

Conversions Part 2

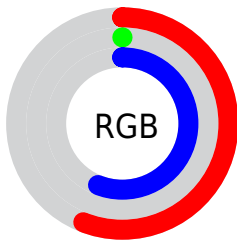
Format	Color
RYB	144, 0, 144
Decimal	9437328
CIELab	33.86, 64.19, -39.75
CIELCh	34, 75.506, 328.232
Yxy	7.9429, 0.3209, 0.1542
Android (android.graphics.Color)	4287627408 (0xFF900090)
YUV	59.4720, 41.6723, 74.1311
Hunter-Lab	28.1832, 55.4089, -37.1720

Details

The XYZ color **16.5356, 7.9429, 27.0472** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.9736, 19.9468, 3.3249**, and the grayscale version is **4.1636, 4.3804, 4.7703**.

A 20% lighter version of the original color is **36.9343, 21.8025, 55.6877**, and **6.0956, 2.9142, 10.5971** is the 20% darker color. If you saturate the color by 10%, you get **16.5358, 7.9430, 27.0473**, and if you desaturate by 10%, it is **16.6984, 8.2683, 27.1015**.

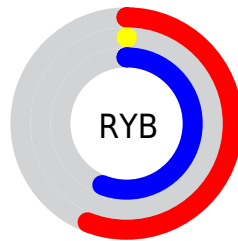
Distribution



Red (56%)

Green (0%)

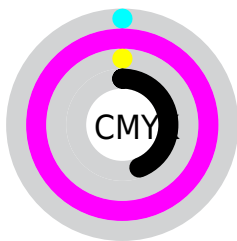
Blue (56%)



Red (56%)

Yellow (0%)

Blue (56%)

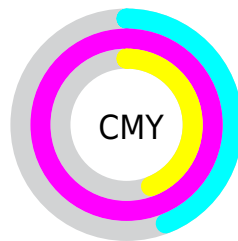


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (44%)



Cyan (44%)


Magenta (100%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5356, 7.9429, 27.0472 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 16.5356, 7.9429, 27.0472 by changing the saturation by 10% instead.


 16.5356, 7.9429,
27.0472


 16.5356, 7.9429,
27.0472

225.6906,
175.2835, 301.6530


 9.9972, 4.0584,
17.3759


 37.0756, 21.8464,
55.9643


 5.4593, 1.7063,
10.3381


 51.8078, 32.6343,
76.0471


 2.5567, 0.4277,
5.5152


 70.0020, 46.4920,
100.4376

 0.9239, 0.0000,
2.4886

 92.0236, 63.8041,
129.5542

 0.0000, 0.0000,
0.8341

 118.2379, 84.9549,
163.8155

 0.0000, 0.0000,
0.0000

 149.0103,

110.3288, 203.6401

 184.7060,
140.3102, 249.4464


 16.5356, 7.9429,
27.0472


 16.5356, 7.9429,
27.0472


 16.5358, 7.9430,
27.0473

 16.6984, 8.2683,
27.1015

 16.9706, 8.8126,
27.1923

 17.4075, 9.6863,
27.3379

 18.0294, 10.9303,
27.5452

 18.8540, 12.5795,
27.8201

■ 19.8967, 14.6648,
28.1677

■ 21.1714, 17.2142,
28.5926

■ 22.6910, 20.2533,
29.0991

■ 24.4672, 23.8058,
29.6912

Harmonies

Analogous

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



11.9734, 7.9429, 48.2657



16.5356, 7.9429, 27.0472



18.6216, 7.9429, 9.3705

Triad

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



16.5356, 7.9429, 27.0472



7.7976, 7.9429, 0.0000



2.4853, 7.9429, 24.5264

Complementary

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



16.5356, 7.9429, 27.0472



9.9736, 19.9468, 3.3249

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.



2.0624, 7.9429, 7.9645



16.5356, 7.9429, 27.0472



4.3765, 7.9429, 0.0000

Square

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



16.5356, 7.9429, 27.0472



12.5609, 7.9429, 0.0000



2.6042, 7.9429, 1.3439



4.0876, 7.9429, 46.0879

Rectangle

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



16.5356, 7.9429, 27.0472



17.9085, 7.9429, 3.2987



2.6042, 7.9429, 1.3439



2.2335, 7.9429, 17.9163

Sweetspot

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



16.5359, 7.9433, 27.0474



37.1883, 30.0560, 50.3793



5.0344, 2.0140, 26.5092



8.3242, 6.4848, 11.4851



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.5359, 7.9433, 27.0474



29.1650, 14.0094, 47.7047



12.6718, 6.3976, 6.6991



5.6263, 5.5110, 6.7960



14.3996, 6.9168, 23.5531



0.1377, 0.0661, 0.2252

Inverse Universe

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



16.5359, 7.9433, 27.0474



29.1650, 14.0094, 47.7047



11.1435, 20.4148, 9.4852



5.6263, 5.5110, 6.7960



14.3996, 6.9168, 23.5531



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 16.5356, 7.9429, 27.0472 looks on a white background.

Color Contrast Check

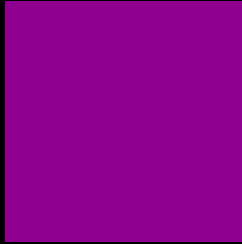
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.5356, 7.9429, 27.0472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

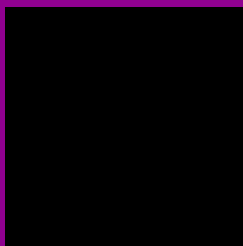
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5356, 7.9429, 27.0472

Background



This preview shows how black text looks on a background with the XYZ color 16.5356, 7.9429, 27.0472.



This preview shows how white text looks on a background with the XYZ color 16.5356, 7.9429,

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

16.5356, 7.9429, 27.0472

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia





8.7331, 8.5888, 24.1192






Tritanopia

12.2704, 8.4034, 5.2503

Trichromacy

	Original Color 16.5356, 7.9429, 27.0472
	Protanomaly 8.9452, 5.6358, 33.8741
	Deuteranomaly 9.5167, 6.2660, 24.7526
	Tritanomaly 13.0004, 7.4204, 10.6446

Monochromacy

	Original Color 16.5356, 7.9429, 27.0472
	Achromatopsia 4.1570, 4.3735, 4.7627
	Achromatomaly 6.7550, 4.2981, 10.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5356, 7.9429, 27.0472 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(144, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 0, 144)  
}
```

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(144, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.5356, 7.9429, 27.0472 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(144, 0, 144) }
```


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

```
.border{ border-color:rgb(144, 0, 144) }
```

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

Here you see how a box with a 4 pixel rgb(144, 0, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(144, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5356, 7.9429, 27.0472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 144) }
```

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

```
.background{ background-color: rgb(144, 0,  
144) }
```

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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