

Converting Colors

XYZ(18.3900, 8.8736, 28.2776)

Have a look what the booklet for
XYZ(18.3900, 8.8736, 28.2776)
contains.

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Color

**XYZ(18.4033, 8.8789,
28.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	990093
RGB	153, 0, 147
RGB Percent	60%, 0%, 58%
CMY	0.4000, 0.9999, 0.4235
CMYK	0.00, 1.00, 0.04, 0.40
HSL	302°, 100%, 30%
HSV	302°, 100%, 60%
XYZ	18.4033, 8.8789, 28.3476
YIQ	62.5050, 44.0010, 78.1530

Conversions

Conversions Part 2

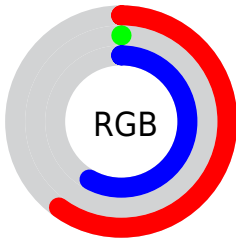
Format	Color
R_{YB}	153, 0, 147
Decimal	10027155
CIE _{Lab}	35.75, 66.20, -38.48
CIE _{LCh}	36, 76.572, 329.830
Yxy	8.8789, 0.3308, 0.1596
Android (android.graphics.Color)	4288217235 (0xFF990093)
YUV	62.5050, 41.6560, 79.3641
Hunter-Lab	29.7975, 58.0982, -35.5468

Details

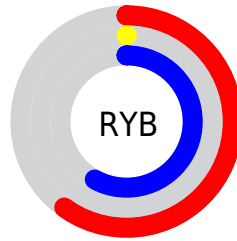
The XYZ color **18.4033, 8.8789, 28.3476** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.4245, 22.7960, 3.9707**, and the grayscale version is **4.5903, 4.8294, 5.2592**.

A 20% lighter version of the original color is **40.3206, 23.7051, 58.3275**, and **7.0411, 3.3859, 11.3488** is the 20% darker color. If you saturate the color by 10%, you get **18.4034, 8.8789, 28.3474**, and if you desaturate by 10%, it is **18.6260, 9.2485, 28.6549**.

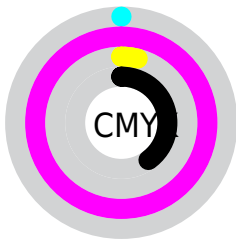
Distribution



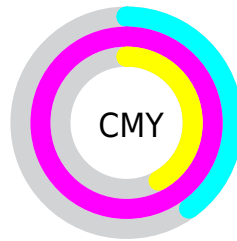
- Red (60%)
- Green (0%)
- Blue (58%)



- Red (60%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4033, 8.8789, 28.3476 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 18.4033, 8.8789, 28.3476 by changing the saturation by 10% instead.


 18.4033, 8.8789,
28.3476


 18.4033, 8.8789,
28.3476


236.1364,
182.4719, 308.0882


 11.3414, 4.6623,
18.3465


 40.2481, 23.6643,
58.0687


 6.3659, 2.0505,
11.0271


 55.7616, 35.0018,
78.6258


 3.1116, 0.6366,
5.9706


 74.8231, 49.4818,
103.5386

 1.2130, 0.0000,
2.7587

 97.7978, 67.4886,
133.2258

 0.1166, 0.0000,
0.9728

 125.0511, 89.4066,
168.1058

 0.0000, 0.0000,
0.0000

 156.9484,

115.6202, 208.5972

193.8551,
146.5139, 255.1185

■ 18.4033, 8.8789,
28.3476

■ 18.4033, 8.8789,
28.3476

■ 18.4034, 8.8789,
28.3474

■ 18.6260, 9.2485,
28.6549

■ 18.9782, 9.8769,
29.0064

■ 19.5196, 10.8834,
29.4223

■ 20.2742, 12.3158,
29.9104

■ 21.2623, 14.2148,
30.4776

■ 22.5019, 16.6164,
31.1298

■ 24.0092, 19.5531,
31.8725

■ 25.7991, 23.0546,
32.7107

■ 27.8854, 27.1485,
33.6488

Harmonies

Analogous

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



13.5425, 8.8789, 51.3250



18.4033, 8.8789, 28.3476



20.4549, 8.8789, 9.7417

Triad

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



18.4033, 8.8789, 28.3476



8.4650, 8.8789, 0.0000



2.9220, 8.8789, 28.0862

Complementary

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



18.4033, 8.8789, 28.3476



11.4245, 22.7960, 3.9707

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.



2.3902, 8.8789, 9.5939



18.4033, 8.8789, 28.3476



4.8122, 8.8789, 0.0000

Square

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



18.4033, 8.8789, 28.3476



13.6038, 8.8789, 0.0000



2.9348, 8.8789, 1.7781



4.7815, 8.8789, 51.1005

Rectangle

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



18.4033, 8.8789, 28.3476



19.5391, 8.8789, 3.4437



2.9348, 8.8789, 1.7781



2.6194, 8.8789, 20.8078

Sweetspot

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



18.4037, 8.8793, 28.3478



42.8203, 34.6714, 56.9945



5.8140, 2.3333, 30.2812



9.2153, 7.1880, 12.4683



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.4037, 8.8793, 28.3478



32.9415, 15.8944, 50.6789



14.2877, 7.2329, 6.6734



6.4508, 6.3195, 7.7538



15.2129, 7.3394, 23.4440



0.2302, 0.1108, 0.3652

Inverse Universe

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



18.4037, 8.8793, 28.3478



32.9415, 15.8944, 50.6789



12.8997, 23.3860, 11.7388



6.4508, 6.3195, 7.7538



15.2129, 7.3394, 23.4440



0.2302, 0.1108, 0.3652

Previews

White Background



This preview shows how the XYZ color 18.4033, 8.8789, 28.3476 looks on a white background.

Color Contrast Check

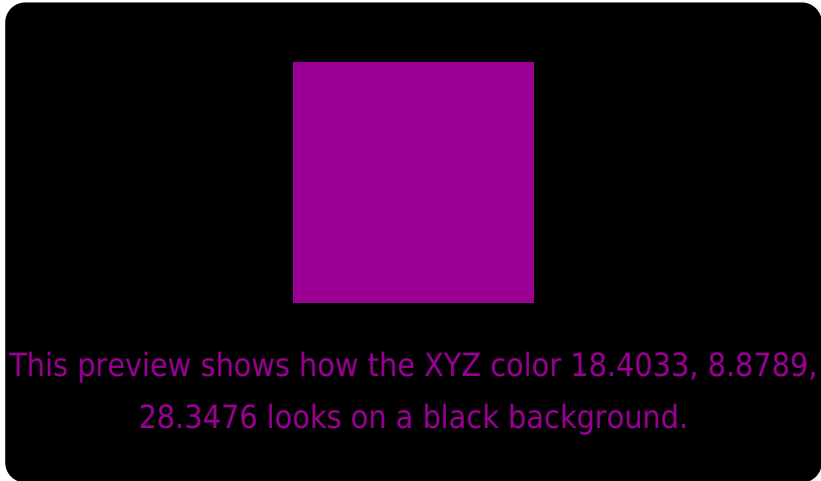
Large Text (above 18pt) WCAG AA ✓ Pass

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

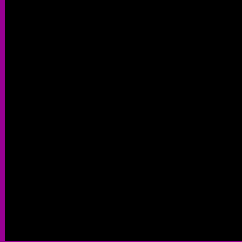
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4033, 8.8789, 28.3476

Background



This preview shows how black text looks on a background with the XYZ color 18.4033, 8.8789, 28.3476.



This preview shows how white text looks on a background with the XYZ color 18.4033, 8.8789,

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

18.4033, 8.8789, 28.3476

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

9.7406, 9.5509, 25.3749



Tritanopia

13.8570, 9.2923, 5.4781

Trichromacy



Original Color

18.4033, 8.8789, 28.3476

Protanomaly

9.8790, 6.1770, 37.2308

Deuteranomaly

10.6881, 6.9826, 25.9838

Tritanomaly

14.6260, 8.2989, 10.9562

Monochromacy



Original Color

18.4033, 8.8789, 28.3476

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.6030, 4.8125, 11.1179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4033, 8.8789, 28.3476 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(153, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 147)  
}
```

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(153, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 18.4033, 8.8789, 28.3476 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(153, 0, 147) }
```


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

```
.border{ border-color:rgb(153, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4033, 8.8789, 28.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 147) }
```

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

```
.background{ background-color: rgb(153, 0,  
147) }
```

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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